

This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + Refrain from automated querying Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at http://books.google.com/









HISTORY

OF THE

Post Office Department.

1789—1879.

TOGETHER WITH

COMPLETE DISTANCE TABLES

FOR ALL POINTS
THE HINTED STATES AND THE WODE

IN THE UNITED STATES AND THE WORLD.



OST OFFICE DEPARTMENT

OF THE

UNITED STATES OF AMERICA;

ITS

LISTORY, ORGANIZATION, AND WORKING, FROM THE

INAUGURATION OF THE PEDERAL GOVERNMENT, 1789.

O THE CLOSE OF THE ADMINISTRATION OF PRESIDENT ANDREW JOHNSON.

FROM OFFICIAL RECORDS,

D. D. T. LEECH,

Formerly of the U.S. Post Office Department.

Continued to October 1st, 1879.

WITH

ABLES FOR REFERENCE, INCLUDING TABLES OF DISTANCES,

ВY

W. L. NICHOLSON.

Topographer Post Office Department.

WASHINGTON, D. C.:
JUDD & DETWEILER, PUBLISHERS.
1879.

P. 2575 now 3

Harvard College Library
April 22,1907
Gifffof
Miss Woodman

Entered according to act of Congress, in the year 1878, in the office of the Librarian of Congress, by Judo & Detweller, of Washington, D. C.





CONTENTS.

INTRODUCTORY.

			Page		
ly systems of Posts-Asiatic and European					
erican Post-office—Colonial					
Continental 9					
E POST-OFFICE UNDER	THE :	Federal Government	11		
Vashington's Administ	ratio	n, 1789–1797 <u></u>	11		
ohn Adams'	"	1797-1801	. 18		
efferson's	"	1801-1809	14		
Madison's	"	1809-1817	14		
Monroe's	"	1817-1825	18		
ohn Q. Adams'	"	1825-1823	20		
ackson's	46 .	1829-1837	20		
7an Buren's	"	1837-1841	24		
Iarrison's and Tyler's	"	1841-1845	_ 25		
'olk's	"	1845-1849	_ 34		
'aylor's and Fillmore's	"	1849-1855	_ 57		
ierce's		1853-1857	_ 38		
uchanan's	"	1857-1861	_ 89		
incoln's	"	1861-1865	_ 40		
hnson's	"	1865-1869	- 51		
le—Growth of steamboat service17					
rganization of Department under Postmaster General					
Kendall			_ 22		
e-Growth of railroad	servi	ce	_ 25		
Growth of foreign-	mail s	service	_ 33		
<u> </u>			_ 36		
Growth of money order system					
Dead-letters					
of Postmasters-General and Assistant Postmasters-Gen-					
eral 56					
ng remarks by D. D. T. Leech 61					
inuation of History by W. L. Nicholson					

:	Pa
Administration of Ulysses S. Grant, 1869-1877	
Rutherford B. Hayes, 1877	
Table—Growth of Department, 1789-1878	- 1
Contract sections and terms	- 1
Number of Departmental officers and employés	ŧ
Continental and Oceanic discoveries	ŧ
Early internal improvements	{
General statistics	ę
Population of larger cities of the United States	(
Statistics of other countries having postal relations with the	
United States	ę
Population of principal cities of the world	Ę
Postal statistics of Great Britain	Ę
Difference of longtitude	Ę
Dimensions of earth	ç
Length of degree of longtitude in different latitudes	9
Metric and cental systems	9
Weights and measures of foreign nations	10
Table to convert land miles to sea miles	10
Table to convert land miles into kilometers	10
Table of sea distances	10
Table of distances between all the principal cities of United	
States	10

INTRODUCTORY REMARKS.

No one of the Executive Departments ministers so effectively to the every-day wants of the people as the General By opening channels of communication be-Post Office. tween widely separated communities, and by the rapid dissemination of information adapted to instruct the masses, it becomes a highly valuable instrumentality for advancing the public virtue and intelligence. Its influence in promoting the civilization of new settlements is only surpassed by that of the pulpit, the school-house, and the press, whose issues it circulates. Wherever the mail-carriers, with their instructive packets, make their appearance, law and order gradually supersede the rude customs and the violence of savage life. By means of the rapid interchange of thought which postal intercourse effects, the most distant portions of the body politic are closely united and firmly cemented. Besides the convenience to individuals and families resulting from its agency, the commercial prosperity of a nation is potently advanced by a well-regulated postal establishment. Further, its tendencies to break down the barriers interposed between nations by ignorance and non-intercourse, through the enlarged political thought and records of social progress which it transmits from one to the other, are of inestimable value. In short, whether viewed in its influence upon families, communities, or States, the Post ' Office is entitled to be regarded as an immense benefactor. Its mission is one exclusively of peace and good-will.

POSTAL SYSTEMS OF AN EARLY DATE.

Several of the nations of antiquity, including the Assyrians, the Persians, and the Romans, had posts for the trans-

mission of governmental notices and military orders, bu none for the accommodation of private citizens. Thes consisted, usually, of couriers stationed at convenient dis tances apart, with horses saddled, and ready to carry th messages of the rulers, with the utmost dispatch, to the most distant portions of their respective realms.

A letter post was established in the Hanse towns early in the thirteenth century.

Mails for the benefit of the general public date their origin from the year 1516, when Roger, Count of Thurn and Taxis, introduced riding-posts into the Tyrol, connecting Germany and Italy. The Emperor Charles V subsequently extended them throughout his vast Germanic possessions appointing Leonard, Count of Thurn and Taxis, his post master general. The management of the office descended as an imperial feoff to members of this house. That posis still maintained in some of the smaller German States.

The English postal system was originally introduced from Italy, but has undergone great modifications. As early as the reign of Henry III (1216–1272) letters were forwarded by messengers dressed in the royal livery. The present establishment dates from the time of Henry VIII who instituted the office of "Master of the Postes." In the reign of Queen Anne (1710) a general post office was established in London for the whole of the British dominions, with chief offices in Edinburgh, Dublin, New York and other places in the American Colonies, and one in the Leeward Islands, the whole being placed under at officer, appointed under the great seal, styled the Postmas ter General.*

^{*&}quot;The Postmaster General of Great Britain and Ireland i now always a peer of the realm, a member of the Privy Council and generally, though not necessarily, a Cabinet Minister."— Lewins's "Her Majesty's Mails."

THE POST OFFICE IN AMERICA.

The first appearance of a post office on this side of the Atlantic is traceable to the year 1672, when Governor Lovelace, of the New York colony, in pursuance of instructions from the mother-country, organized a mail "to goe monthly" between the cities of New York and Boston. In 1677, the General Court of Massachusetts, in session at Boston, on the petition of sundry merchants, appointed Mr. John Hayward, "the Scrivener," postmaster at that place, "to take in and convey letters according to their direction."

In July, 1683, William Penn, the benevolent proprietary Governor of Pennsylvania, established a post office at Philadelphia, and appointed Henry Waldy, "of Tekonay," the postmaster, with authority "to supply passengers with horses from Philadelphia to New Castle, or to the Falls of Delaware, and to send a weekly mail between said places, the times of departure thereof to be carefully published on the meeting-house door and in other public places." The great philanthropist, about the same time, caused mail routes to be put in operation between Philadelphia and the principal towns of Pennsylvania and Maryland.

In 1692, the Virginia General Assembly, under royal letters patent granted to Thomas Neale, appointing him Postmaster General for the colonies and plantations in America, passed an act giving him authority to establish post offices in that colony; but this he failed to carry into effect, owing to the dispersed condition of its inhabitants.

In 17007 the British Government authorized Col. John Hamilton, of New Jersey, to establish post offices and organize post routes in the American Colonies for a period of twenty-one years; but his patent for the purpose was abrogated a few years subsequently, in consequence of the

statute (9th of Queen Anne, 1710) consolidating the colonial post office establishment with that of Great Britain and Ireland. The latter of those years may, therefore, be properly set down as the commencement of the American post office.*

In 1711 the mail ran weekly between Boston and Maine, and once a fortnight between Boston and New York; in 1717, weekly between New York and Williamsburgh, Virginia; and in 1727, once a fortnight from Philadelphia to Annapolis, Maryland.

In 1737 the great philosopher, Benjamin Franklin, was appointed postmaster of Philadelphia. In connection with this duty, he was employed, by the Deputy Postmaster General for the Colonies, in regulating the several post offices, and bringing the postmasters to account. death of that officer, in 1753, Franklin was appointed, conjointly with Wm. Hunter, to succeed him. In consequence of improvements made by them in the service, the receipts of the establishment were so increased as to furnish three times as much revenue to the British exchequer as the whole post office of Ireland. Nevertheless, while in England, in 1774, through "a freak of the minister's," as he himself so expresses it, growing out of his testimony in relation to the duplicity of Governor Hutchinson, of Massachusetts, and for his adherence to the cause of the colonies, Franklin was suddenly dismissed from office. †

^{*}The general post office was in London, under the Postmaster General; his deputy for the colonies, to be appointed by himself, was to reside at New York.—W. L. N.

[†] He was succeeded by Hugh Finlay and John Foxcroft, who seem to have acted successively (or perhaps conjointly) Deputy Postmaster General of the Crown for the thirteen colonies, until the peace of 1783.—W. L. N.

THE CONTINENTAL POST OFFICE.

The Continental Congress, at its second session, held in the State House at Philadelphia, resolved, under date of July 26, 1775, to have a postal establishment of their own; and, on the following day, unanimously elected Dr. Franklin as its chief, with a compensation of \$1,000 per annum. and with authority to appoint a secretary and comptroller at \$340 per annum, each. This appointment, no doubt, was far more gratifying to the distinguished man than the one of which he was so unceremoniously deprived the previous year. Contemporaneous resolves of that venerable body show that he was vested with almost unrestricted authority in the management of the establishment. his continuance in the position was brief, he having been shortly after called to diplomatic duties abroad, for which he possessed remarkable qualifications, and in which his. success eclipsed, if possible, that which signalized his control of the postal establishment.

His successor was Richard Bache, his son-in-law, previously acting as comptroller, whose term began in November, 1776. The Lilliputian ledger kept by this gentleman down to 1779, showing the accounts of his deputies, is yet to be seen at the Department, consisting of about three quires of foolscap, written over in a very legible hand.*

He was followed, in 1782, by Ebenezer Hazard, who had acted as one of his surveyors of posts, and previously (in 1775) been the "constitutional postmaster" in New York, an appellation which served to distinguish him from the

^{*}This interesting document is carefully preserved in the office of the Sixth Auditor in the Post Office Department building, where is also a lithograph copy of the portrait of Dr. Franklin, painted by M. Duplessis in France, and exhibited at the Salon in Paris; in 1779.--W. L. N.

deputy, at that place, of the British Government, which strove, for a short period after the breaking out of difficulties between the mother country and the colonies, to keep up a post-office establishment on this side of the Atlantic The public archives are exceedingly bare of information touching postal operations during the revolutionary war. But, it is to be noted that the Colonial Congress passed an act, on the 18th of October, 1782, which, after a preamble setting forth the importance of the office, condensed all the previous enactments concerning it into one. This authorized the Postmaster General to appoint the necessary deputies, for whose fidelity he was to be accountable, and to set on foot a line of posts between New Hampshire and Georgia, and to such other places as he might think proper, or Congress might direct. It authorized him to pay his deputies for their services what he might consider them worth, not exceeding twenty per cent. of their postage collections. All surplus moneys were to be applied to the establishment of new post offices, and the support of packets, to make the institution as useful as possible. The postage charge on letters weighing not over one pennyweight, and going not over 60 miles, was equal to 5-90th of a dollar, and in proportion for greater weights and distances. The post-riders were allowed to convey newspapers outside of the mail, at rates deemed reasonable by the Postmaster General, on condition of their paying over to him a stipulated proportion of their receipts therefrom.

An act of September 7,1785, authorized the Postmaster General to enter into contracts for conveying the mail in stage-coaches.

THE POST OFFICE UNDER THE FEDERAL GOVERNMENT.

WASHINGTON'S ADMINISTRATION-1789 to 1797.

"Congress has power to establish post offices and post roads." The Federal Government, by this declaration of the Constitution, became possessed of the exclusive control

of postal matters for all the States.

Owing to the stagnation in business, caused by the war of the revolution, and the general poverty that ensued, as well as the exorbitant postage rates alluded to, which were nearly prohibitive, the postage receipts were very small, having in no year, during the Continental Government, exceeded \$35,000, and, in 1789, having amounted to only \$25,000. There had, also, been a lack of energy in the establishment, resulting from the facts that postmasters did pretty much as they pleased, that the contracts were loosely entered into, and that the depredators on the mails, and other offenders against the postal laws, could not be arrested without the consent of the individual States. A stronger hand was needed to give it due vigor. This we shall see was supplied by the new Government.

President Washington selected (September 26, 1789) for his Postmaster General, Samuel Osgood, of Massachusetts, who had served as a delegate in the Continental Congress from that State, and possessed fine abilities. He immediately appointed Jonathan Burrall as his assistant, Sebastian Bauman, postmaster of New York city, and Robert Patton, postmaster of Philadelphia. Mr. Burrall was despatched to the South without delay, to re-appoint such of the deputies as might be found to have conducted their

office well, and could give proper security.

At this time there were but 75 postmasters in the Union, and less than 2,000 miles of post roads, consisting of one long route connecting the different large towns along the ea-board, from Wiscasset, in Maine, to Savannah, in Jeorgia, and half a score of connecting cross routes, the

entire annual cost of mail conveyance thereon, amounting \$22.274.

The first Congress, in 1789, passed an act for the temp rary establishment of "the post," under which its regulations were to be the same as they had been under tresolves and ordinances of the Colonial Congress. The law-was annually renewed for two years thereafter.

In January, 1790, Mr. Osgood submitted to the Secri tary of the Treasury a very interesting report on the con dition of the postal institution, including suggestions its improvement. He gave the opinion that unless a mor energetic system could be put in force, no considerab revenue could be expected. He thought the postages we unreasonably high, that the regulations for the government of postmasters and post-riders were not sufficiently strip gent, and that the mode of letting the contracts was defect tive. He said the post-riders had been under little control carrying letters and papers outside of the mails, and leav ing and arriving on days and at hours of their own selec tion, no regular schedules therefor having ever existed south of Alexandria, in Virginia. He advised the letting the mail contracts for longer periods, and at prices to b fixed by the Postmaster General, the plan of accepting them from the lowest bidders often resulting in their bein taken by "poor people" who were unable to carry ther into effect. The principal revenue of the office at this time according to this report, was derived from letters passing between one sea-port town and another. He advised t charge newspapers, carried in the mails, instead of letting them go free, as had been done.

Timothy Pickering, of Pennsylvania, who subsequently had charge of the Departments of State and War, was Washington's second appointment as Postmaster General being commissioned on the 12th of August, 1791. His

assistant was Charles Burrall.

In 1790 there were twenty mail contracts, at an aggregate cost of \$20,977. In 1791 the expense under this head was \$22,596.39.

In 1792 an act was passed to be enforced two years, "to establish the Post Offices and Post Roads in the United

ates." This, besides making other important improveents, introduced a judicious tariff of postages, arranged Federal money, including a scale for newspapers, for sich no specific rates had previously been legalized. These are one cent and one and a half cents, according to disince, one-half of the receipts therefor to be retained by the postmasters.

On the 8th of May, 1794, the first postal law of a per-

et of 1792.

As showing the rapid strides made by the Department turing the first six years of Federal control, it may be lated, that in 1795 the number of post offices had increased from 75 to 453, the length of the routes from about 2,000 lailes to 13,207 miles, and its annual income from \$25,000 to \$160,620.

JOHN ADAMS'S ADMINISTRATION-1797 to 1801.

The Postmaster General throughout this presidency was Joseph Habersham, of Georgia, who had been appointed by Washington on the 25th of February, 1795, in consequence of Mr. Pickering's transfer to the War Department. In Habersham has the credit of having been eminently successful in imparting system and certainty to the mail service.

Early in 1800, a few months prior to the removal of this and the other Executive Departments from Philadelphia to Washington city, the Postmaster General appointed Abraham Bradley as his assistant, who discharged the duties of the position with eminent ability and fidelity for about thirty years.

The operations of the establishment had continued rapidly to expand, so that in that year the post offices were 903, the length of routes 20,817 miles, and the income

\$280,804.

In a revised postal law, passed in 1799, Mr. Habersham had succeeded in obtaining the substitution of flogging for the death penalty as a punishment for stealing or robbing the mails. The new penalty of flogging was repealed by a subsequent postal law.

The existing law makes the penalty for robbing the mail five years for the first, and death for the second offense.

JEFFERSON'S ADMINISTRATION—1801 to 1809.

A few months after Mr. Jefferson's accession, viz: on the 28th of November, 1801, he called to the control of the Post Office Gideon Granger, of Connecticut, a gentleman

of great energy in the discharge of duty.

At this time horseback and the slowly trudging mail-coach being the swiftest modes of conveyance known it took forty days to obtain an answer at Portland, Maine to a letter addressed to Savannah, Georgia, and forty-four at Philadelphia, Pennsylvania, for a reply to one addressed to Nashville, Tennessee. Ten years there after this Postmaster General (who remained at his post over thirteen years) exultingly informed Congress that these periods had respectively been reduced to twenty-seven and thirty days. The vast reduction in time since effected by railroads in the transportation of the mail-bags, could it have been foreseen by this industrious gentleman, would, doubtless have been as gratifying to him as difficult to realize.

A suggestion which this administrator succeeded in having incorporated into the revised postal law of 1810, and which was not repealed till 1865—although doubtless well intended, would have found latterly few advocates in Congress—the provision prohibiting negroes from employment as mail-carriers. He was of the opinion that they could not be safely trusted with such a duty, as it would enable the more intelligent of them to form schemes for the communication of intelligence detrimental to the whites. (!)

MADISON'S ADMINISTRATION—1809 to 1817.

The postal establishment, notwithstanding its rapid growth thus far, was in 1809 yet in its infancy, the number of post offices being only 2,012, and its annual receipts hardly half a million of dollars.

A revised postal law was passed in 1810, embracing the creation of the office of Second Assistant Postmaster Gen-

tal, and a new scale of postages, which charged single stters from 8 to 25 cents, according to distance, and newspers, not going beyond the State of their publication, one ent each. It consolidated the post-routes into one body.

A subject which created considerable public feeling, and ras not put at rest till twenty years afterwards, occupied he attention of the Postmaster General and Congress at his period, viz: the Sunday mail question. It grew up in his wise: Prior to 1810 the mail portmanteaus, especially n the leading routes, had been conveyed on all days of the Letters and other mail packets had, however, been anded out by the postmasters on Sundays, as a matter of ourtesy, not of requirement. The law of 1810, which uperseded all prior ones, made it imperative on these offiers to attend their offices at all reasonable hours on every lay of the week for this purpose, which hours Mr. Granger tad arranged for Sundays to be one hour after the arrival and sorting of a mail, and when this interfered with the lours of public worship, one hour thereafter. The result of this change in the law and regulation was the receipt at Washington of numerous remonstrances, from large and espectable religious bodies, against not only the delivery of mail packages, but the running of the mails on the Sabeth.

The complainants contended that these practices were equally a violation of the divine command, in regard to he observance of the Sabbath with the opening of banks and stores, and justifiable on no principles except expediency and worldly advantage; that the rights of conscience were infringed by them; and that they indicated an opinon on the part of the public authorities that it was right o pursue secular callings on that day. The committee of Congress charged with the examination of this remonstrance argued, in reply, that the safety and due regulation of society demanded the employment of some of its agents, of which the post office was an important one, on Sunday; that if the mails were suspended on that day, speculators would be enabled to forward intelligence by private conveyance, whereby one portion of the public would obtain rreat advantages over the other; that the rights of conscience were not invaded by the new regulation, as a entered the service of the post office did so at their a that the diffusion of information important to the tion of the intellect and virtue of the nation was proby sending the mail forward on Sundays; that the sing of the requests of the remonstrants would be an ference by the legislature with the ecclesiastical questep shown by all history to be detrimental to the posociety; and that the States alone were competent trol matters of this nature, the constitutional pov Congress not extending to questions of this class.

Two admirably composed reports of this tenor m the reputed slayer of Tecumseh, the Hon. R. M. Jo but generally ascribed to the pen of the Rev. O. B. I chief clerk of the postal establishment, had a grea ence in inducing Congress to make a decision givi complainants leave to withdraw their petitions.

In 1811 the Department made the novel expering running the mails between Baltimore and Philadeli teams owned by itself, and managed by its agents. cessful was the effort, clearing \$11,000 in three year Congress consulted Mr. Granger in reference to arrangements on the entire line from Portland, I Louisville, Ky., which he advised to be done, believing the security and celerity of the mails would be prome the Government would have only its own interests t after, and thus obtain a better service than from ma tractors who had the convenience of passengers to c As the experiment was abandoned, it is probable the gress adopted the wise conclusion that such adv would be far more than counterbalanced by the end patronage, perplexity, and responsibility, likely to tailed upon the establishment by the adoption of the plan.

Although the success of the steamboat paddle as a of propelling vessels had been reduced to a certa 1807, the multiplication of vessels of this class had so slow that no law in reference to mail contracts a vice in this mode was enacted till February 27, 1813 the Postmaster General was authorized to have the

in steamboats plying between one post town and for periods not exceeding four years, if the cost, nto consideration distance, expedition, and freshould not exceed that for their transportation in the routes adjacent to the course of the boats, the contracts should secure regular conveyance of throughout the year. Two years later he was ed to have the mail conveyed in any steamboat, ot over three cents for each letter or packet, and for each newspaper.

w mode of transportation, as compared with horse, added greatly to the expedition of the mail bags places situated on or near the rivers or other water cation, and greatly facilitated postal service be-

tant States connected by such streams.

owth of this class of mail service (steamboat) is the following statement:

ne 30.	Length of Routes. Miles.	Annual Cost. Dollars
	5,792	264,778
	10,826	818,948
	16,329	560,572
	14,976	1,078,852
	*4,744	224,542
	*13,088	359,598
	20,695	706,154
	15,788	684,130
	17,685	666,989

off caused by discontinuance of service in the Southern

in 1814, Mr. Granger having given offense to Presison, by refusing to follow his advice, after having it, respecting the appointment of postmasters in phia, and one or two other places, was relieved e. His successor was Return J. Meigs, of Ohio, commissioned on the 17th of March of that year, pied the chair over nine years.

out two years, near the close of the war with Great which occurred at this period, an addition of 50

was made to the postage rates.

al law of 1816 arranged the postage tariff on a

new basis, and it existed for twenty-nine years the It made letters composed of only one piece of pay going not over 30 miles, pay six cents each; not miles, ten cents; not over 150 miles, twelve and cents; not over 400 miles, eighteen and three-four and for greater distances, twenty-five cents. Lett sisting of two or more pieces of paper, were char respondingly; and if weighing an ounce avoirdupoi ruple postage. Newspapers not going over 100 rout of the State of their publication, paid one cent; distances, or beyond the State, one and a half magazines and pamphlets containing one and a half paid one and a half cents, for distances not over 10 if prepaid; for greater distances, two and a half prepaid, four and six cents, respectively.

MONROE'S ADMINISTRATION—1817 to 18

An application was made to Congress in 1818 to branch of the postal establishment in one of the 'States. Its committee reported adversely to this the opinion that such a division of the establishment impair its efficiency by diminishing the uniformit proceedings, and making it less convenient to the retatives from those States in the National Legislatur contended that the entire establishment should subject to the direct inspection of its head, residing location of Congress and the other Executive office

In 1820 the number of post offices was 4,500: the of routes 36,406 miles; and the postal revenue \$1.

On the retirement of Mr. Meigs, during whose a tration the net profits amounted to 387,209 dollar McLean, of Ohio, took charge of the postal reindate of June 26th, 1823. He had been, for a she previous, Commissioner of the General Land Off was a gentleman of great industry and energy, as of superior talents. He possessed the happy tac fusing his own spirit and zeal into his associates a ordinates. His financial policy differed from tha predecessors, his aim being the extension of postal to territory in need of them, rather than the accum

This will appear from the following stan e net proceeds down to his retirement from the pos. viz:

r	Postmaster	General	Osgood1789 to 1791,	\$15,392
	"	"	Pickering1791 to 1795,	47,310
	6.6	"	Habersham 1795 to 1801,	363,310
	44	66	Granger1801 to 1814,	291,579
	66	66	Meigs1814 to 1823,	387,209
	"	4.6	McLean1823 to 1829,	13,466
			-	

ior to this period a specified number of the postmasleposited the proceeds of their offices in neighboring s, the residue forwarding them to the Department in notes. With these notes and checks sent through the were paid the distant contractors.

e loss from bad debts, counterfeit money, broken s. and in the transmission of its funds, resulting to the rtment down to this period was \$310,830. A less inenient, loose, and hazardous mode of receiving and rsing its funds was much needed.

: McLean, if not the first to conceive, was the first to · into effect the improved mode of collecting such eds, through quarterly drafts on postmasters in favor ail contractors.

lusion has been made to several revisions of the orlaw of the establishment. The act of March 3d. which superseded all previous ones was of so perfect tracter as to have remained till the present time, 3,) with a few modifications of its fundamental stat-It declared in its opening section that there should tablished at the seat of Government of the United 3, a General Post Office, under the direction of a naster General, who should appoint two assistants, and clerks as might be necessary for the performance of usiness of the office. Its opening section made it his to establish such post offices, and appoint such postrs on the post roads as should appear to him to be Also to provide for the carriage of the mails e post roads as often, as he, having regard to the proveness thereof, and other circumstances, might think

proper. It prescribed the conditions on which he miglet under contract, modify, or curtail the mail service, a coof punishment for depredations on the mails by post officelerks, or others, etc.

J. Q. ADAMS'S ADMINISTRATION—1825 to 1829.

On the accession of this President the offices numbere 5,677, and the annual receipts of the establishment aggregated \$1,306,525. Mr. McLean continued as the posts chief throughout this presidential term, with evident satisfies the state of the continued as the posts of the continued as the

faction to the public and Congress.

Down to 1827, although the establishment had beer styled such, it had not ranked as one of the Executive Departments. The increase in Mr. McLean's salary made by Congress in that year, allowing him \$6,000 per annum, the amount received by the heads of the other Departments had the effect, as it was doubtless designed, to give it such rank.

JACKSON'S ADMINISTRATION-1829 to 1837.

Mr. McLean's views in regard to the appointment and removal of postmasters not according with those of General Jackson, he was transferred to the Supreme Bench and Wm. T. Barry, of Kentucky, a gentleman of great kindness of heart, and brilliant talents, was commissioned in his stead on the 9th of March, 1829. He was the first Postmaster General called to a seat in the Cabinet, a practice which has been continued to the present time.

This gentleman improved his predecessor's system of receiving and disbursing the Department's funds, by directing his deputies to remit their balances in all cases through certificates of deposit, instead of by bank-notes, and that no funds should be issued from the Department except by checks signed by two of its officers acting separately, and

certifying to the correctness of each other.

Mr. Barry continued his predecessor's policy of keeping the revenues of the establishment in active operation by extending the postal service to the largest extent they would warrant. Under his orders, both the frequency and the grade of the transportation was advanced on great mbers of the routes, to effect which objects he ordered avy extra allowances to many of the contractors. The penditures were enlarged from this cause so considerably to compel him to obtain loans from the banks, as well to defer payments due the contractors. This unhealthy ndition of the finances gave rise to a great amount of friendly public comment and newspaper criticism, culinating in a tedious investigation of the affairs of the tablishment, and Mr. Barry's transfer to a position call-g for less financial ability, viz: the mission to Spain. Fortunately the President's attention was turned to Amos

Fortunately the President's attention was turned to Amos endall, the Fourth Auditor of the Treasury Department, a suitable successor to Mr. Barry in the embarrassed ate of the Department. In addition to executive talents a very high order, this gentleman possessed a clearness intellect, a firmness and industry, which admirably talified him for his new position, which he entered on the t of May, 1835.

Besides personally inspecting the route books, to ascerin the service needed by the various post offices, and their venues, he directed the opening of a new set of accounts, d the payment for all current service out of funds accrug in the quarter of its performance. The balances already ie the contractors were transferred to a set of accounts rled "Arrearages," to be settled out of future profits of The extra allowances alluded to were e establishment. rthwith stopped. As the public were satisfied that under dicious management the receipts of the Department were lly adequate to its support and eventual extrication from ibarrassment, these steps revived general confidence, and established its credit. The gratifying results were such at in less than a year the debt was liquidated, (amountg to about \$500,000,) and, in October, 1837, a surplus of 80,000 existed to its credit.

The improvements made by his two predecessors in the ode of collecting and disbursing the proceeds of the ices, received a valuable addition from Mr. Kendall, rough the introduction of a quarterly "collection order" ill in use) in favor of contractors, authorizing them to seive from postmasters on the routes they served with the

mail, the entire sums in their hands. By this simple c trivance, which virtually made the creditors of the Depment its collecting agents, it has been enabled for o thirty years promptly to collect from the multitude small offices, difficult of access in any way, their quarte revenues.

In 1836 the law having authorized the establishment horseback express mails to convey the letters of persidesiring great expedition, newspaper slips, and Governmedespatches at triple the ordinary rates of postage, a lanumber of these "pony expresses" were put in operation the principal turnpikes of the Southern and Weste States; but the experiment not proving a profitable one was soon abandoned.

REORGANIZATION OF THE DEPARTMENT.

An event constituting an important epoch in the hist of the establishment occurred on the 2d of July, 1836, a sisting in a reorganization of its bureaus, and a transfer the settling branch of its business to an independent office styled "Auditor of the Treasury for the Post Office Depa ment." Down to this period the Postmaster General h not only supervised the letting of the mail contracts, a appointed the postmasters, but had adjusted and paid accounts of these classes, a practice not only at varian with that of the other departments, but with a recogniz principle of great importance, that officers having agency in the making of contracts, or authorization of penditures, should have no connection with the settleme thence arising. Mr. Kendall's organizing mind, clea perceiving this anomaly in the workings of this arm of public service, immediately set at work to provide a re edy, by submitting to Congress the project of the stat referred to, which was readily adopted by that body.

The leading features of the act were these:

1. It directed that the revenues of the Department all debts due it, should be paid into the United Sta Treasury.

2. It required the Postmaster General to submit to C gress, at each of its annual sessions, estimates of the su

ed to be required for its use in the succeeding fiscal rranged under specific heads, such as Transportation, nsation of postmasters, Incidental expenses, etc.

t provided that the aggregate sum required for the of the Department in each year, should be appro-I by law out of its revenues, and that all payments n revenues into the United States Treasury should lited to said appropriation.

t directed that, in the disbursement of the sums so riated, the compensation of postmasters and other es of the offices might be deducted by the postmasters the proceeds thereof; and it empowered the Post-General to transfer debts due on account of the tment by postmasters and others, in satisfaction of emands for which appropriations had been made, to ontractors as might be its creditors, and had executed

he Treasurer was directed by the act to give receipts moneys received by him to the credit of the approns for the service of the Post Office Department, eccipts to be endorsed on warrants drawn by the aster General; also to disburse such appropriations moneys paid into his office for such service on said its, (countersigned by the Auditor,) which warrants o express, on their faces, the particular item of apation to which they were to be debited. Under the s made by this act the Postmaster General ceased as previously, a sort of factotum, with liberty to mane entire affairs of the Department, with as little reas in a private establishment. A judicious distriof the duties and obligations connected with its et was now established. Nevertheless, as it authorim to decide on the forms of all papers used by esters, and other agents concerned in its receipts and nts, as well as the manner and form of keeping its its; to control, subject to the settlement of the Auall allowances growing out of the postal service; to atend the disposition of the proceeds of the offices; at all warrants for the payment of moneys into and the Treasury; to receive from the Auditor a quarterly statement of the moneys paid out by postmasters; and to superintend the collection of all debts due the Depart ment, his prerogatives as left were so great as to make him pretty nearly "master of the situation," despite the limitations mentioned.

Hitherto all appointments of postmasters had been made by the Postmaster General. The last clause of the act referred to directed that those whose office commissions amounted to a thousand dollars and upwards per annum, should be appointed by the President, with the advice and consent of the Senate, for periods of four years, unless sooner removed by the President.

It also created the office of Third Assistant Postmaster General, and gave the establishment a greater and competent force of clerks, thus permitting a better classification of the business, greatly facilitating its proper discharge.

VAN BUREN'S ADMINISTRATION-1837 to 1841.

Mr. Kendall continued as head of the Department during more than three-fourths of this Presidency, the early part of which, so far as the postal service is concerned, was mainly notable for the inauguration of the valuable class of conveyance known as

RAILROAD TRANSPORTATION.

The prophecy of Dr. E. Darwin, (in his "Botanic Garden," published in 1791,) that—

"Soon shall thy arm, unconquered steam, afar Drag the slow barge, or drive the rapid car,"

had so far been verified in the Department's history, by the introduction of steamboat service. Its full realization was now to be effected by railroad conveyance, a class of mai transportation whose magical effects have worked a most gratifying revolution in postal intercourse. Mr. Kendall's early reports revealed his clear foresight of the important improvements about to follow from this new mode of conveyance.

The first statute bearing on the subject of railroad transportation, passed in July, 1838, declared to be post route

oads then or thereafter to be completed, and emlthe Postmaster General to have the mails conveyed if it could be done on reasonable terms, and at an not exceeding by more than 25 per cent. what transportation in coaches would cost. An act of owing year limited the compensation to be given to Iroad for the conveyance of one or more daily Another of six years later date, which shall be reofurther on, divided such roads into three classes, ng to their importance as mail arteries, and further ed the compensation to be made them. The inn this important branch of the mail transportation by the following statement:

ar Ending	Length of Routes. Miles.	Annval Cost. Dollars.
		·581, 752
		818,227
		1,601,329
		3,849,662
		2,538,517
	23,401	2,707,421
	43,727	5,128,901
	70,083	9,216,518
	74,546	9,053,936

conflagration of the Department building, which I on December 15th, 1836, will be alluded to fur-

ay, 1840, after a service of five years, Mr. Kendall I to take charge of the "Extra Globe" newspaper se, and on the 19th of that month John M. Niles, secticut, who had been an editor, postmaster, and States Senator, was commissioned as his successor. the few months of this gentleman's service, he ted an earnest desire to do what was judicious and every case presented for his decision.

ISON AND TYLER'S ADMINISTRATIONS— 1841 to 1845.

al Harrison selected for his Postmaster General,

³ off caused by discontinuance of service in the Southern

Francis Granger, of New York, a gentleman of excelle sense, and rapid in the despatch of business; but his st in the position was only for a few months, having resign with nearly all the other members of the Cabinet, early September of that year, in consequence of President Tyle veto of the bill chartering the United States Bank.

On the 13th of the same month Mr. Tyler commission Charles A. Wickliffe, of Kentucky, as the postal chief, man of much ability, as well as large experience in publ affairs. He continued in the position during the remaining

three and a half years of this Presidency.

Since the year 1837 the Department had failed to self-sustaining, owing to a loss of revenue resulting from the facilities furnished to correspondence and other manable matter by passengers and private expresses convey in the railroad cars. The old rates of postage were still force, creating much public dissatisfaction under the new order of things, and making it an object to smuggle correspondence in violation of the law.

In addition, the success which had attended Rowlar Hill's penny-postage system in England, inaugurated about this period, increased the desire for a large reduction in the

postage rates of the United States.

Mr. Wickliffe, accordingly, presented to Congress a dra of measures calculated to effect the needed reform. The did not become laws till the last day of his official terr viz: the 3d of March, 1845. The several bills passed that day cheapening the postages, improving the mode letting the routes to contract, prohibiting private express and restricting the franking privilege, were so judicious and beneficent, as to make it a memorable one, forming a epoch in the Department's history. Let us glance at the separately.

REFORM IN THE POSTAGE RATES.

For nearly thirty years the charge for conveying sing letters (viz: composed of a single piece of paper) had be from six to twenty-five cents, according to distance, wi corresponding additions for each additional piece of pape If, for instance, a person wished to post a letter containing

ink notes, a distance of more than 150 miles, for he single letter charge was eighteen and threeents, he was compelled to pay seventy-five cents, osures making it a quadruple letter. The new law ne just alterations, basing tariff on weight instead umber of pieces of paper composing a letter. ghing over half an ounce were to be regarded e, and to be conveyed for five cents for distances eeding 300 miles, and for ten cents any greater dis-A scale of newspaper rates was also introduced. to increase their circulation, although it did not curtail the charges therefor. By thus reducing the an article which had become one of the necessaries in enlightened nations, although not to the extent by later statutes, it conferred a boon of a very gratiaracter upon the social and business interests of the Its financial effect, aided by the more economical f letting a large portion of the routes directed by was to make the Department's receipts, which for years had not equalled its expenditures, surpass

M IN THE MODE OF LETTING THE MAIL CONTRACTS.

onsequence of the pressure from the passenger inind considerations connected with the protection of
ls, the Department had consented for a long series
s to a burden of which it was hardly capable, by
ing coach transportation on many routes where the
l weight of the mails did not really require a higher
f service than horseback. The new law very cony enjoined it upon the Postmaster General, in all
lettings of contracts, to accept the service of the
oidder proposing to convey the entire mail over a
ite "with celerity, certainty, and security," with-

and service under this new stipulation having been desand alluded to thereafter for brevity, in the Department ndence and reports by asterisks, (stars,) these bids, namely, are than by railroad or steamboat, became and are still by the familiar name of "star bids."—W. L. N.

out reference to the mode of conveyance. The tenden of this requirement, it will be seen, was to release corn pondence from a heavy tax for the transportation of p sengers. Its effect in reducing expenditures was shown the fact that in the first four years of its operation, althout the post roads were extended 23,763 miles, the expense mail conveyance was lessened \$328,000. Owing, however to the latitude of construction given to the words "celerit certainty, and security," and to other causes, full effect we not given to this injunction for nearly twenty years after its passage.

CURTAILMENT OF THE FRANKING PRIVILEGE.

To aid in sustaining the reduced tariff of postage referred to, besides providing the more economical mode letting the routes just mentioned, important modification were ordered in relation to "free matter" passing through the mails.

The early acts of Congress, including those of 182 1827, and 1834, permitted to be conveyed in the mails, fre of postage, letters and packets to sundry officers of the Government and members of Congress, under specified restrictions. The present law repealed the prior statutes of the subject, but authorized Government officers previously possessing the privilege to keep an account of the postage paid by them on letters and packets received through the mails on the business of their offices, to be paid out of the contingent fund of their departments or bureaus. It continued the privilege to deputy postmasters for letters of official business, and to members of Congress, the Secretar of the Senate, and Clerk of the House, under specific limitations.

It may be interesting to say here, that the act of 184 charged the privilege of members of Congress in the matter, and made an allowance of \$500,000 per annum to the Department for conveying the free matter of the two Houses, and of the Executive Departments; also, that the statute still (1868) in force on the subject grants the privilege as follows: 1st. To the President, Vice-President, as heads of departments. 2d. To chief clerks of the Executive Departments of the Executive Departments.

e departments, for official communications. 3d. To mbers of Congress; also to the Secretary of the Senate, d Clerk of the House, to cover correspondence to and m them; all printed matter issued by authority of either buse, all speeches, proceedings, and debates of Congress, printed matter sent to them, and all petitions to either its branches; the privilege to commence with their offiil term, and expire on the first Monday in December folwing such terms. 4th. To postmasters, for communicaons to other postmasters, on the business of their offices. ne privilege is accorded, also, to communications addressed either of the Executive Departments by an officer reonsible thereto. It is restricted to packets not over four inces in weight, except in the cases of the President and ice-President, petitions to Congress, Congressional or Exentive documents, and publications or books, purchased y either House or Congress, or by a joint resolution of the vo: and excepting, also, seeds, cuttings, roots, and scions f such weight as the Postmaster General may authorize.

PRIVATE EXPRESSES.

The acts of 1825 and 1827 contained provisions prohibitig stages, or other vehicles, making regular trips on post outes, or roads parallel thereto, from conveying letters, lso the setting up of foot or horse posts on the mail routes y other persons than the Postmaster General or his agents. Sut, owing to the smallness of the penalties annexed, these neasures had been found insufficient, in view of the burlensome postage rates, to prevent unscrupulous individuals from making trips on steamboats or in the railroad cars, ifter these came into general use, with bundles of unmailed etters, which they conveyed at cheaper rates than the Post To sustain the reduced postage tariff now inaugutated it became an imperative duty, on the part of the lawmakers, to provide a more stringent enactment against the raudulent practices mentioned. The statute of 1847, still h force, (1868,) accordingly, embodied rigid inhibitions on he subject, enforced by heavy penalties. For establishing private express on a post route, conveying any mailable batter, except newspapers, pamphlets, magazines, or periodicals, a fine of \$150 was prescribed; and the owners stage coaches, railroad cars, steamboats, packet boats, other vehicles or vessels, were prohibited from conveying otherwise than in the mail, any mailable matter, with the exceptions specified, under a penalty of \$100. These provisions have continued to prove very effective.

FOREIGN MAILS.

The date referred to, March 3, 1845, so prolific of postlaws, was also that of the introduction of this interesting branch of the Department's service. But it was not unta 1849 that a postal treaty with Great Britain was carried into effect; the only foreign postal arrangement previous that being with Bremen, which was ratified at Washingto on March 29th, and at Bremen on June 26th, 1847.

In 1850 a "foreign desk" was instituted, to which Hora tio King, Esq., a gentleman conspicuous in the Department for his long experience and energy, was appointed, and the whole business of the foreign mails placed in his hands. devolved on him to systematize this branch, and under him supervision postal conventions were made with Prussia France, Belgium, Canada, and a new and much improved convention with Bremen, whereby the rates of postage be tween the United States and the continent of Europe were reduced fifty per cent., and the arrangements under the British treaty were also greatly extended. The act of 1826 had authorized the Postmaster General to make provision for the receipt of letters and packets intended to be conveyed by ship or vessel beyond sea, such letters to be formed into a mail, and directed to the postmaster of the port to which such vessel might be bound; also to make arrange ments with foreign postmasters for the receipt and deliver of letters and packets through the post office. In addition a joint resolution of June, 1844, empowered him to enter into arrangements with the proper authorities in France and Germany and with the owners of vessels plying between these countries and the United States, for securing a safe and regular direct mail communication, under official guarantee, between this country and Europe, through to Bremen, Havre, and other ports on that continent.

845, "to provide for the transportation of the veen the United States and foreign countries, and pnrposes," authorized the Postmaster General to contracts, for periods of not over ten years, for ing the mails of the United States between any of and the ports of any foreign power, whenever, in on, the public interest would be promoted, such to be made with citizens of this country, and the nveyed in American vessels. It prescribed rates

re for the matter they might carry.

I acts since passed have enlarged and improved m in the following particulars: (1.) All letters, or ilable matter, conveyed to or from any port of the states by any foreign vessels, except unsealed leting to the vessel or cargo directed to the owners nees, are subject to postage. (2.) The Postmaster may reduce or enlarge, from time to time, the ates on mail matter conveyed between this and ountries, for the purpose of making better arranger counteracting adverse measures affecting our terests with them. (3.) The duration of contracts ing the mail by sea is to be limited to two years. hen otherwise specially directed by Congress, and pensation to the sea and inland postages arising on s conveyed under the same. (4.) The mails may ported between the United States and any foreign teamship, allowing as pay the sea and inland posting thereon, if conveyed by an American vessel; sea postage only, if by a foreign one. (5.) Vessels port of this country for a foreign one, are prorom carrying letters not regularly mailed or reom the post office at the port of departure. (6.) wned by citizens of the United States, leaving any rts for a foreign one, are required to convey whatls the Department or any of its agents may offer, such reasonable compensation as the law allows. eases where the postage rates are not fixed by a eaty, the uniform postage rate, without reference ice, on letters sent to, or received from foreign by vessels regularly employed in transporting

the mails, is ten cents for letters weighing not over half ounce, two cents for a newspaper, and the established rafor pamphlets, periodicals, and other printed matter. (Vessels, owned by citizens of the United States, passing either direction between our own country and a foreignort, are required to convey such printed matter as to Department, or any of our consuls or commercial age abroad may offer, at such reasonable pay as the law mallow.

The operations of the foreign-mail system for the yea 1860 to 1875, are shown by the following table:

[For table see facing page.]

[Under the provisions of the treaty of Berne, which we into effect July 1, 1875, no account has thereafter be taken of the number of letters (or amount of postages of lected thereon) exchanged with Postal-Union countries. The weights only of the letters and printed matter taken for the purpose of making settlements for the conveyance thereof, as well as for the territorial transit such mails as traverse intermediate countries, before reading the country of destination.

The total weights of the mails despatched from t United States to Postal-Union countries during the year 1876 and 1877, were—

In 1876—
Letters ______ 95,984,186 grams; equal to 3,386,103 of Printed matter and samples ______ 366,552,486 grams; equal to 12,935,8980 In 1877—
Letters _____ 91,401,230 grams; equal to 3,224,427 of Printed matter and samples _____ 377,260,364 grams; equal to 13,308,887 of W. L. N.

The interest as well as importance of our foreign-meservice has greatly increased of late. Postal treaties of very favorable character were made in 1867 with Gre Britain, Belgium, the Netherlands, the Swiss Confederation the North German Union, Italy, and the Colonial Government of Hong Kong. Postmaster General Randall gives the opinion that the effect of these treaties, and the colonial Government of Hong Kong.

	LETTERS	IRS.	NEWSPAI	NEWSPAPERS, &c.	Gross Postages arising from
Year ending June 80.	Received.	Sent.	Received.	Sent.	letters, &c., exchanged.
1860	*8.072.979	3.093.390		2.127.870	\$*1.376.402 25
1861	*3,059,700	3.086,121		2,484,357	-
1862	*2,556,624	2,644,039	848,312	2,549,756	*1,144,095 82
1863	*2,720,236	2,882,795		2,331,761	
1864	3,425,974	3,598,456		2,457,841	
1865	3,486,346	3,915,259		2,905,323	
1866	4.543,630	4.886,916		2,804,442	
1867	6,388,833	6,715,401		2,956,599	
1868	6.466.225	7.138,307	Not	Not reported.	
1869	7.457.796	8,138,858		Do.	
1870	8,605,226	9,754,152	Do.	Do.	
1871	9.834,130	10,461,868	Do.	Do.	
1872	11,588,436	12,774,064	*660,981 lbs.	*627,803 fbs.	1,871,257
1873	13,126,511	14,832,674			2,021,310
1874	13,693,056	14,885,989	*800,746	*730,320 **	
1875	12,281,248	12,854,333		*700,489 "	1,713,766 90

* Embracing United States and European mails only. For weight of letters, &c., in 1876 and 1877, see next page. NOTE.—This and the following tables have been extended from 1868 to 1878, by the Editor, for convenience in present-ing a continued view of the subject. tracts recently made for the Atlantic service, will be wipe out the large balances against the Department account of the foreign service which have burdened it many years, and create an annual one in its favor, to its finances.

Exchanges are made, at present, by direct mails, und the provisions of postal conventions with Great Brita and Ireland, France, Algeria. Belgium, North Germa Union, Bremen, Hamburg, Netherlands, Italy, Switzerlan Canada, British North America, Mexico, Guatemala, Ve ezuela, and the Colonial Government of Hong Kong. I rect mail-steamship communication is maintained betwee the United States and Brazil, Central America, the Bahmas, Bermudas, the West India Islands, British Columbia the Sandwich Islands, Japan, and China.

By means of the steam-mail packets of Great Britain etc., used as intermediates, we hold postal communication also with Russia, Poland, Norway, Sweden, Denmark, Holland, Spain, Portugal, Austria, Greece, Turkey, Syria Egypt, the northern and eastern coasts of Africa, the islands of the Mediterranean and the Indian Ocean, Per

Bolivia, Chili, and about thirty other countries.

Joseph H. Blackfan, Esq., Superintendent of Foreig Mails,* appointed as such in 1868, has managed, with emport fidelity, this important branch of the Department business.

POLK'S ADMINISTRATION-1845 to 1849.

Cave Johnson, of Tennessee, who had held a seat in the House of Representatives for many years, was the chief of the Department throughout this Presidency, having taken the reins on the 6th of March, 1845. He was a man of unpretending demeanor, engaging manners, and respectable talents. As he had been considered parsimonious while

^{*}The office of Superintendent of Foreign Mails was created by act of July 28, 1868, prior to which, from March, 1854, on the promotion of Mr. King to the office of First Assistant Postmasta General, Mr. Blackfan had been the corresponding clerk of the "foreign desk," which, however, remained under the general supervision of Mr. King until his resignation as Postmaster General, on the 4th of March, 1861.—W. L. N.

ess, owing to his vigilance in guarding the Treasnst all fraudulent and extravagant claims, it was a would prove illiberal in his new position. These usions were not realized. Although he closely scrull propositions enlarging the Department's expenses, rmly evinced a liberal disposition toward applica-

culated to improve the service.

t of March 3d, 1847, authorized the transportation rails between New York and Liverpool, Charleston, eans, Havana, and Aspinwall, and between Panama, neisco, and Astoria, in steam-packets built by prividuals, liable to be claimed by the Government, tion, for war purposes, the Navy Department beare-fourths of the expense of the service. These and ean routes were kept in operation on this plan for years, but were finally abandoned.

d in effecting needed arrangements for giving the efficiency to the foreign service, in the summer of year Mr. Johnson despatched to Europe his exd assistant, Major Hobbie, with authority to enter ernational postal arrangements, who succeeded in a postal treaty with one of the German States, of lue to both countries. In 1847 the Department 1 its postal service over the young State of Texas, d to the Union the year previous. In August, of wing year, Congress directed a similar extension to 1 Territories of California and Oregon.

HE STAMPS, ENVELOPES, AND POSTAL CARDS.

cilitate the payment of postage, and otherwise to odate the public, the use of postage stamps had been in Great Britain in 1840, as a part of the great ice reforms instituted in that year, including the postage."

e statute of March 3d, 1847, Congress authorized roduction into our postal system. Stamped enveluich possessed the advantage of authorizing for the they covered a conveyance outside of the mails, opted a few years later.

xtent to which these valuable facilities have been

hown by the following table:

POSTAGE STAMPS, ENVELOPES, AND POSTAL CARDS ISSUED.

Exclusive of those for the official use of the Departments.

Year ending June 30.	Postage Stamps.	Stamped Envelopes.	Stamped Newspaper Wrappers.*	Postal Cards.†	Total.
1960	00 000 000	\$040 977 10			\$6 870 316 10
1881	5.908.599.60	781 911 13			
1862	7.078.188 00	733,255 50	\$23,648 50		7,835,092 00
1863	9,683,384 00	634,821 00	20,545 00	1	
1864	10,177,327 00	765,512 50	31,490 00		10,974,329 50
1865	12,099,787 50	724,135 00	23,315 00		
1866	10,816,661 00	1,151,507 25	20,500 00		11,988,668 25
1867	11,578,607 00	1,785,301 00	37,155 00		
1868	11,751,014 00	2,044,738 00	67,372 00		
1869	12,722,568 00	2,283,588 50	71,905 00		
1870	13,976,768 00	2,381,409 00	98,605 00		
1871	14,630,715 00	2,866,656 25	132,180 00	****	
1872	15,840,649 00	3,054,826 50	175,152 50		
1873	16,681,189 00	3,267,079 50	140,567 50		
1874	17,275,242 00	3,661,690 70	220,502 06		
1875	19,087,381 47	3,837,797 60	286,679 74		
1876	19,718,708 75	4,359,897 04	273,723 50		
1877	19,182,281 10	4,351,569 76	265,362 00	1,700,155 00	25,499,367 86
		Table 1 1847			

The law above referred to authorizes the sale of postage mps, in quantities of not less than \$500 in value, at not ceeding 5 per cent. discount, and of stamped envelopes packages containing not less than 500, at a similar dection. It has not, however, been found expedient to sell em in this way except through designated agents in large ies, to whom they are furnished at two per cent. discount.

AYLOR AND FILLMORE'S ADMINISTRATIONS—1849 to 1853.

Jacob Collamer, a representative in Congress from Versiont, and who in later years was United States Senator, look charge of the postal portfolio under a commission of ne 8th of March, 1849. His talents were of a high order, lthough not showy, his private character most estimable. It remained in office only about sixteen months, the accession of Mr. Fillmore, in July, 1850, having led to the fornation of a new Cabinet. During the fiscal year ending n the first of that month, the receipts of the establishment xceeded its expenditures \$287,031.43.

Mr. Fillmore selected (July 23, 1850) for his Postmaster Feneral, his law partner, at the time a member of the lower House, Nathan K. Hall, of New York, who proved a very mergetic and capable officer. He was in the prime of life, and ambitious to make his administration a success.

Through his efforts Congress was induced, in March, 1851, p.reduce the postal charge on single prepaid letters from live to three cents when going not over 3,000 miles, and p make a large curtailment in those for newspapers sent o regular subscribers, and for other printed matter. The harge on transient papers was increased. The act allowed he Department \$500,000 for the transmission of franked natter, which, added to the grant of \$200,000, made for a like purpose in 1847, made the entire compensation for such ervice \$700,000 per annum, which it has continued to draw from the general fund.

The increased charge on transient newspapers failing to five public satisfaction, and postmasters complaining that he variation in the rates for printed matter under a gradlated scale of distances augmented their labor, an act was passed in August, 1852, which discarded these objectionable features, and reduced the already moderate charges on sud matter one-half, when prepaid quarterly or yearly.

PIERCE'S ADMINISTRATION-1853 to 1857.

James Campbell, of Pennsylvania, was called to the postal chair on the 7th of March, 1853, and held the officient little end of President Pierce's term.

It has been stated that the law authorized, down to 1810, single Assistant Postmaster General; thence until 1836, two and from the latter date three. An act of March 3, 1853 provided that future appointments to these positions should be made by the President and Senate.

At Mr. Campbell's suggestion laws were enacted in March, 1855, requiring prepayment of postages in all case not coming within existing postal arrangements with for eign countries. This was an important improvement, as was also the one I shall now notice, viz:

THE REGISTRATION OF VALUABLE LETTERS.

With a view to the greater security of letters containing money and other articles of value, through special provisions for their careful treatment, Mr. Campbell recommended, in his report of 1854, a plan for their registration, on the application of parties and the payment of a fee of five cents—a plan which was legalized on the 3d of March following. It sought to fix responsibility and furnish means, not previously existing, for tracing a missing letter from the point of its reception to that of its disappearance.

The main features of the plan were these: 1st, a receipt was to be given for valuable letters when posted, duplicate of which receipts were to be kept for reference at the mailing office; 2d, the full addresses of such letters were to be entered on a separate post bill, which was to be copied is a book of registered letters sent, and then forwarded in a sealed envelope, separate from the package of letters which it related; 3d, the receipt of this post bill was to be acknowledged at the office of destination by a duplicate returned to the mailing office, marked correct, or otherwise as it might be found on comparison.

The system not having proved remunerative during the st few years of its operation, the registration fee was ised to twenty cents in 1863, which was probably too rge an advance One of ten cents would have been more ıdicious. As doubts have been expressed in high quarters relation to any additional security to packages by regisration, I have to remark that since the Department comnenced sending its packages of letter stamps and stamped avelopes on this plan, a loss of the same in the mails has adom occurred; whereas when they were mailed without nich protection the losses were frequent. In July, 1868, hanges were made in regard to registered letters which reatly increased their security. By a system of receipts and new accounts, personal responsibility is fixed on posthasters and other agents of the Department handling such mackages, so that very few losses now occur.

The system of compulsory prepayment of postages, dopted in 1855, was extended as well as improved, by an act of January 2, 1857, requiring such prepayment on

ransient matter.

BUCHANAN'S ADMINISTRATION 1857 to 1861.

Aaron V. Brown, of Tennessee, who had held a seat in Jongress, and been Governor of his State, took charge of the Department on the 6th of March, 1857. He early manifested a determination to give the country a very liberal amount of mail service, particularly the new Terrisries in the West. With this view he placed under contract many long routes to connect the western States with the Pacific coast, which resulted in a financial burden the syond the ability of the Department to sustain without a cavy subsidy from Congress. His financial policy was a from being a safe one.

Mr. Brown having died, after a service of two years, oseph Holt, of Kentucky, at the time Commissioner of atents, became Postmaster General on the 14th of March, 359. The views of this enlightened postal chief with reard to the proper financial course of the Department diffed widely from those of his predecessor. He held that funds should be drawn on for the support of mail

routes only in proportion to the postal yield of the off they supported, and that the self-sustaining policy on wh it had been conducted during the first forty-five year its existence should continue to prevail. He contenthat the postal revenues were the common property of nation, and should be disbursed on the principle that community had a right to demand, either for the incre or acceleration of its mails, a larger portion of them the its correspondence would entitle them to. To show how funds of the Department had been misappropriated un a contrary policy—through Congressional directions keep in operation routes of little importance for mail p poses, although useful for other national objects—he spe fied six of this character in the western Territories, mail transportation on which exceeded the postages acc ing therefrom by \$1,178,629.13 per annum.

Mr. Holt having been transferred to the War Dept ment in January, 1861, his First Assistant, Horatio Ki of Maine, (who had entered the Department, in 1839, a clerk,) was appointed his successor, his commission dati from February 12, 1861. The industrious and methodi habits of this gentleman, and his long service, were wadapted to fit him for his new position, which, however, held but a few weeks, owing to the incoming of a n

President.

In consequence of the immense outlays, resulting for the large increase of the railroad and foreign transpor tion, as well as from the organization of long and unp ductive routes on the Pacific coast, the Department's of penditures during Mr. Buchanan's administration exceed its revenues by \$21,745,021.16.

LINCOLN'S ADMINISTRATION—1861 to 1865.

Montgomery Blair, of Maryland, was the individual selected by this distinguished Chief Magistrate to take charge of the Department, entering upon his duties Mar 5, 1861. He proved a very practical postal chief, and his mark very visibly. During the three and a half yet of his management the large and long existing annual deficits in the postal revenue were almost entirely overcon

hree causes helped to this result, viz: 1st, the discontinunce of mail service in the disloyal States; 2d, the vast acrease of correspondence in the loyal States; 3d, Mr. llair's firmness in executing the law of 1845, requiring he Postmaster General to let the routes, in all cases, to the bwest bidders offering to convey the entire mails "with elerity, certainty, and security," without reference to the mode of their conveyance.

POSTAL CONVENTION AT PARIS.

Mr. Blair was of the opinion that our foreign postal system, as then in operation, was too loose as well as complex, there being no recognized international rates of postage for either sea or land conveyance, nor any standard weight for foreign letters; also, that it was hardly possible to correct these evils without concert of action among the Powers interested. He, therefore, through representations to the Department of State, etc., set on foot measures for convening an International Postal Conference, which commenced at Paris in May, 1863, where the Hon. John A. Kasson, First Assistant Postmaster General, appeared as the United States delegate, and took a leading part in the deliberations. This important conference was attended by delegates from twelve of the European and three of the American nations. The principles which it adopted, and the information its discussions elicited with respect to the various foreign postal establishments, in addition to their direct service to our Department, operated as a stimulus to further postal reforms.

FREE DELIVERY SYSTEM.

The act of 1825 provided for the delivery of letters in sties by carriers at such offices as the Postmaster General night direct, at a cost of two cents each to the persons reciving them. That of 1836 extended this facility so as to aclude the delivery of newspapers and pamphlets at half cent, and the deposit of letters in the post offices at two ants each. Another act of 1851 further enlarged it by atthorizing the establishment of suitable places of deposit

for drop-letters, at a charge of two cents each to the person

receiving or sending them.

In 1863 a modification, of immense value, was made Mr. Blair's suggestion. He had become convinced from the remarkable results attending the free delivery of ma packets in some of the European cities, that a similar fi cility on this side of the Atlantic would secure like result He had observed, also, that postal communication uni formly augments with the facility for its exercise. law of March of that year authorized the Postmaster Ger eral, whenever the public convenience appeared to him t require, to establish in cities having a population of 50,000 and in such other places as he might direct, one or mor branch post offices, also pillar or other receiving boxes, for the safe deposit of matter for the mails, and for delivery t the residents thereof; also, to have the delivery made by letter carriers as frequently as the public convenience i such places might demand. The effect has been in 48 c our principal cities, where the improvement has been intreduced, to bring the post office delivery to the doors of cit zens, and to supplant, to a large extent, the general an box delivery at the city offices. The popularity of th measure is clearly illustrated by the statement that, i 1868, the carriers in said cities numbered 1,198, who de livered 64,349,486 mail and 14,081,906 local letters, als 16,910,715 newspapers, and collected 63,164,625 letter The carriers' salaries for the year and other incidental ex penses of the system amounted to \$995,934.59; the pos ages arising from the local matter were \$475,982.36. It believed that the saving of clerk hire at the city po offices, and increased postages resulting, will nearly defra the cost of this great boon.

The third of the reforms alluded to consisted in the

RAILWAY MAIL SERVICE.

The Department had, for a long series of years, employed what are known as route agents—virtually traveling post masters—on the leading railroad routes, to hand out at receive the mail pouches at the way offices, and to place the mail the packages received at the post office cars. M

ir inaugurated, in 1864, an additional agency on a of the trunk lines of this class, with the view of giving expedition to the mails equal to that to passengers, by ting and distributing them while on their passage, inad of sending them to the large terminal post offices for the purpose, where they suffered a delay of from 12 to 24

Before the introduction of railroads, and while the counwas sparsely settled, the consolidation and reassortment. special points, of the mails arriving from different direcns was a matter of necessity, and the delay thus expericed did not create complaint. But, after the introduction the iron horse, and close railway connections at the large wns, letters sent by private hands so far outstripped those ing through the mails and detained for this reassortment. to give rise to constant complaints. The law of March th, 1864, authorized the Postmaster General, from time time, to appoint clerks on the railway routes to distribute ters and other mailable matter. The experiment was st made between Washington and New York, by clerks pporarily withdrawn from the large post offices on the ie, which resulted in a great gain of time. Since then, whatever lines the new system has been introduced, like sults have been effected. In November, 1868, there were of these postal railway and steamboat lines in operation. gregating in length 70,019 miles, and employing 279 rks, at a cost of \$329,700 per annum, or double what ute-agency service would have cost. As, however, a large pount of clerical force is dispensed with at the distributg offices by the new system, little or no increase of net pense results from its introduction. An additional adntage arising from this expediting of the mails grows t of the increase in the number of letters posted on such 168.

POSTAL MONEY-ORDER SYSTEM.

Mr. Blair's administration has also the credit of originatg this great improvement. To accommodate soldiers and hers wishing to remit small sums of money, he advised incorporate in our postal system, as had been done long fore in that of Great Britain, a plan for furnishing ap-

plicants with money orders, for a small fee. Accordingly the act of May 17, 1864, which was carried into effect of the 1st of November following, authorized the Postmaster General to establish, under such regulations and rules a he might deem expedient and necessary, a uniform money order system at all post offices which he might deem suits ble therefor, for the transmission of sums not exceeding \$30, (which limit a later statute has raised to \$50.) sides furnishing a safe and cheap agency for the transmission of small sums, this system has the effect, from its tendency to exclude money from the mails, of rendering more secur the ordinary correspondence, which usually shares in the damage inflicted on the mails by depredators. The safet given to funds by transmission through postal-money order is secured by omitting from the orders given to depositor the names of the latter, as well as those of the persons i whose favor they are drawn, and by sending to the paying postmaster a letter of advice of the same number, amoun and date, as the corresponding order, furnishing that infor mation.

The charge for an order of not over \$20 is ten cents, and for a larger one twenty-five. An order becomes invalid year from its date. In case of its loss a duplicate is given without charge, on the application of either the remitter of

payee, and his making the required proofs.

As a basis of operations the designated money-order offices are instructed to transfer from any postage funds in their hands a specified sum (varying from \$50 to \$1,000 to be held as a reserve for the payment of such orders. It case this becomes exhausted the postmaster is authorized make a second transfer equal to the amount of his reserve If the postage funds in his hands are insufficient, or an exhausted by a succession of transfers, he is furnished with a letter of credit on the postmaster of New York, to which office all surplus money-order funds from all the smaller offices are ultimately remitted, and there accounted for.

At the inauguration of the money-order system only 13 offices were allowed to issue orders. Its subsequent pro

gress and popularity is here shown:

Money-Order System of the United States put in operation November 1, 1864. LHOGRESS OF THE WONEY ORDER OFFICERS.

.

: نيا

Surplus.	\$7,138 79 26,260 61 54,158 15 65,553 87 90,174 63 101,181 78 105,977 07 68,584 00 105,198 12 120,142 09 †190,770 84 99,931 19
Expenses of the System.	\$18,584 37 28,664 27 44,628 96 70,345 94 110,694 00 145,382 42 194,381 60 224,213 63 286,232 66 357,040 42 374,575 18 456,250 68
Fees received.	\$11,536 40 35,803 06 70,889 57 124,503 19 176,247 87 225,557 05 225,563 38 350,489 40 354,816 66 462,238 54 494,717 27 647,021 52 624,409 66
Amount of Orders issued.	\$1,360,122 52 3,977,259 28 9,229,327 72 16,197,858 47 24,848,058 93 42,1054,184 71 48,515,523 72 57,516,216 67 74,424,854 71 77,431,251 58 77,035,972 78
Number of Domestic Orders issued.	74,277 243,609 474,496 831,837 1,264,143 1,671,253 2,151,794 2,573,349 3,355,686 4,420,633 5,006,323 4,998,600
Number of Money- Order Offices.	141 473 832 1,223 1,694 1,694 2,076 2,452 3,069 3,401 3,697 3,697
Year ending June 30.	1865 1866 1867 1869 1869 1870 1871 1872 1873 1874 1876

• Deficit of \$7,047.97 at close of fiscal year 1865.

†Schedule of fees increased July 1, 1875.

In estimating the surpluses stated in the last column of this table, certain expenditures for clerk hire, stationer blanks, &c., for the money-order system have not bee charged.

POSTAL CONVENTIONS WITH FOREIGN COUNTRING FOR EXCHANGE OF MONEY-ORDERS.

That with Switzerland went into operation September 1, 1869.

That with the United Kingdom of Great Britain and Ireland, October 1, 1871.

That with the German Empire, October 1, 1872. That with the Dominion of Canada, August 2, 1875. That with the Kingdom of Italy, July 2, 1877.

C. F. Macdonald, Esq., an accomplished and experienced officer of the Department, has had charge of the money-order system from the date of its initiation.

DEAD LETTERS.

The act of 1825 made it the duty of postmasters to publish quarterly, or oftener, whenever the Postmaster General might so direct, in one of the newspapers published nearest their places of residence, for three successive weeks, a list of the letters remaining in their offices; or, instead thereof, to make out and publish such list at prominent places in their vicinity; also, at the expiration of the next three months to forward the letters remaining on hand as "dead" to the General Post Office, there to be opened and inspected. directed the Postmaster General to return to the writers such of said letters as enclosed matters of value, or to cause descriptive lists thereof to be inserted in one of the newspapers published at the place most convenient to the supposed residences of their owners. Such letters, and their contents, were to be preserved and delivered to the person addressed, upon the payment of the postage and the expense of publication. If the letters contained money, it might be appropriated to the Department's use, to be paid to the rightful claimants when found.

Although several modifying statutes were enacted during

B succeeding 35 years—having reference principally to B frequency and mode of advertising unclaimed letters—e main features of the act of 1825 continued to govern e Department in regard to the disposition of them.

An act of 1860 provided that letters indorsed with the riters' names, and a request for their return if not called r within thirty days, or a time specified, should be retraced by mail to them, such letters not to be advertised, treated as "dead," until after having been so returned the post offices of the writers. Another of 1862 authored the return to the writers of all dead letters except those ontaining circulars, or other worthless matter, if the postges thence accruing would defray the clerical expenditure excessitated by such proceeding. A subsequent law of 1866 equired the return of dead letters to their writers without ostage charge.

Owing to the migratory habits of our citizens, the great attent of country embraced by our mail system, and the requent imperfections and mistakes occurring in the adress of correspondence, the annual accumulation of unlaimed letters has continued to be very large, amounting or the year ending June 30, 1867, to 4,306,508 letters, or omething less than one in every hundred passing through the mails. In late years the Department has made vigous and successful efforts to reduce the number, as well as to improve the entire dead-letter system. In diminishing their number the printed request on the envelopes, for the turn of letters not called for within a specified period, has proved highly effective, especially in the more densely tettled portions of the country. The free delivery system the printed introduced in the cities has had a similar tendency.

Among other improvements in the system deserving of notice are an amplification of the statistical records, so as cover all important details, and a more thorough classification of the letters received, and of their inclosures. Such additional safeguards of valuable letters, as experience has aggrested, have been provided, and every available means and to secure the speedy return to writers of the mailable matter sent to the Department for final disposition.

When received in the Department the dead letters, after

being opened, with all possible precautions against inju to their contents, by a few clerks specially assigned to the

duty, are disposed in two general classes.

Those letters found to contain money or valuables a carefully examined and their contents noted and register. The others, tied up in bundles, are handed to a large for of female clerks (65) to ascertain from them such inform tion as will facilitate their return to the writers, and transmit them accordingly.

The variety of miscellaneous articles found within de

letters is remarkable, and sometimes amusing.*

[A relative decrease in the annual number of dead leters containing money and valuables, may fairly be a tributed to the introduction of the system of register letters in 1854, that of return-request letters in 1860, at the money-order system in 1864.

The decrease for the year 1877, in the number of lette without inclosures returned to their writers, is account for by the reduced appropriation allowed by Congre which necessitated the discharge of some of the clerks pr

viously engaged in that work.

As a curious fact in mental perversity, it may be stat that annually a number of letters are found in the ma without any address whatever: for the years 1869, '70, '772, '73, '74, '75, '76, and '77, these numbers were 2,673,016, 3,518, 4,641, 4,622, 3,857, 5,963, 6,945, and 7,020—W. L. N.

The following is an exhibit of dead-letter operations: the years 1860 to 1877:

^{*}Mr. Leech gives a resumé of some of these articles, which is unnecessary here to particularize, ranging as they do from bulkier inclosures of boots, shoes, coats, shawls, bedquilts, a hoop-skirts, live rattle-snakes, horned toads, &c., &c., to the m fragile and manageable items of gloves, lace collars, nighter photographs, jewelry, chignons, and other paraphernalia of gentler sex.—W. L. N.

	No. of Letters	OF THESE	SE ARE	MONEY LEFT TO O	MONEY LETTERS DELIVERED TO OWNERS.®	- Letters	100
co Year Ending June 30.	received in Dead-Letter Division.	Foreign let- ters ret'd unopened.	Domestic money let- ters.	Number.	Contents.	not delivera- ble or worth- less.†	out inclos- ures deliv- ered.
1860	2,000,000	110,911	10,450	9,206	\$50,420 63	Not Rep'd	Not Rep'd
1861	2,550,000	111,147	10,580	8,998		. "	. "
1862	2,282,018	160,432	10,475	8.766		,,	717
1863	2,550,416	137,145	18,527	15,048			**
1864	3,508,825	162,591	25,752	20,059		**	;
1865	4.368.087	167,449	58.863	35,268		"	"
1866	5,198,605	193,754	46,648	39,123	221,066 19	3,540,240	1,220,957
1867	4,306,508	186,189	35,135	28,949		2,490,080	1,421,871
1868	4.162,144	184,183	32,422	28,574		2,070,153	1,762,668
1869	3.952.862	193,186	32,550	27,753		1,188,693	2,003,524
1870	4,152,460	220,415	45,315	38,606		1,908,704	1,487,021
1871	4,194,748	221,673	33,533	29,495		2,173,984	1,334,303
1872	4.241,374	244,660	31,515	24,929		2,294,575	1,210,507
1873	4,402,348	268,420	31,048	15,142		2,533,482	1,421,125
1874	4,601,773	253,300	32,480	20,257		2,622,619	1,020,171
1875	3,628,808	210,377	30,927	24,218		2,386,720	1,338,619
1876	3,542,494	195.800	25,740	22,709	36,376 16	1,835,472	1,069,307
1877	3.288.290	189,521	24,580	20.884		2 025 413	674.793

OF DEPTH AND UP THE NAME OF THE PARTY.

*Exclusive of letters containing commercial paper, as drafts, &c. † These, in great part, consist of mere circulars.

COMPENSATION OF POSTMASTERS.

Prior to 1864 postmasters had been compensated for the services by a percentage on the receipts of their offices, d nominated "commissions." The last law prescribing rate of this character was passed about ten years previously The rates allowed varied from 15 to 70 per cent., the high ones applying specially to the first \$100 of income, and the lower ones to receipts in excess of that sum. On the l of July of that year, at Mr. Blair's suggestion, a radic change was directed by law through the substitution of specified salaries for such varying amounts of percentage these salaries to be arranged under a graduated scale, beet on the sums received as commissions by the respective offices during the two years prior to the 1st of July, 186 They were arranged—with the exception of the postmast at New York, who was to receive \$6,000 a year—in five classes, as follows: Those of the first class to range between \$3,000 and \$4,000; of the second, between \$2,000 and \$3,000; of the third, between \$1,000 and \$2,000; of the fourth, between \$100 and \$1,000; of the fifth, not to exceed \$100.

In the first classification made under the law, only 5 postmasters fell under the first class, 209 under the second and 392 under the third. As might be anticipated, the labor expended in making up the accounts at the post offices, as well as in examining them at the Department, is much simplified, as well as lessened, under the new system. The classification is required to be revised every two years.

[During his administration, Mr. Blair had, in common with his energetic First and Second Assistants, John & Kasson and Geo. W. McLellan, seen the want of a system of maps to show the relative positions of post offices and the post routes, over the vast area of the United States.

The officers and clerks of the Department, for the correct preparation of the mail advertisements and letting, and for their constant references, required numerous set of maps, adapted to their varying wants.

No sufficient provision for the supply of these had hither to existed, excepting that the topographer of the Depart ent, Mr. Henry A. Burr, had, in the year 1839, compiled single edition of sheets of some of the States (engravedad printed in England) which had speedily become obso
te.

Mr. Blair, in 1863, on the death of the above-named mtleman so long acting as topographer,* (since 1836,) asigned, in his appointment of a successor, (W. L. Nicholsh,) the taking up anew of this arduous problem, to degrate, compile, and publish a series of post-route maps, at the same time providing for the necessary assistance.

This work has since then been carried out, as a constitunt and essential aid in the operations of the Department.

~W. L. N.

Political considerations having led to the retirement of Ir. Blair, ex-Governor Wm. Dennison, of Ohio, succeeded Im on the 24th of September, 1864. He proved a most tentive and upright public officer. His views in relation the financial policy proper for the establishment, were accordance with those of Mr. Holt already alluded to. Its report of 1865 exhibited for the fiscal year ending on the 1st of July previous, an excess of income over expending of \$861,430.42, being the first showing of this gratifyag description issued from the Department in a long series I years.

JOHNSON'S ADMINISTRATION—1865 to 1869.

Mr. Dennison continued in office after Mr. Johnson's accession to the Presidency, (April 15, 1865,) till July, 1866, a the 25th of which month, a divergence in their views regard to some questions of public policy having induced withdrawal, Alex. W. Randall, of Wisconsin, at the time irst Assistant, took charge of the Department.

There was a remarkable increase in the correspondence

The designation of topographer of the Department is first and in a law of 1836, and the office was confirmed in the Resed Code, act of June 8, 1872. For some time previous to 1836, ppt. W. H. Swift, a distinguished officer of the United States gineer corps, rendered assistance towards the surveys and maping of the post routes.

of the loyal States during the recent war, as will a from the following statement:

Postal revenue from the entire Union, for fiscal	
year ending June 30th, 1861	\$9,049
Postal revenue from the loyal States, for fiscal year	- ,
ending June 80th, 1864	12,438
For fiscal year ending June 30th, 1865	

The close of the war having necessitated a restorathe postal service in the Southern States, the Depair made vigorous efforts in 1865 to effect this desirable. To aid in the matter it sent special agents to that seand notified the Provisional Governors of its readir

appoint postmasters, on their recommendation.

In his annual report of December, 1865, Mr. Der reiterated the doctrine of Mr. Holt, in reference to a herence on the part of the Department to the self-sust policy on which its affairs had been conducted for i half a century, but so widely departed from durin succeeding 20 years. He was of the opinion that, an economical policy, it could not only pay its way year to year, but enlarge its usefulness in all its legit functions. Like his predecessor referred to, he cont that the expenditure for sustaining routes, put in ope for national objects, in so far as they were not pos their character, should be a charge on the public Tree To illustrate the burdens devolved upon the Departm independent of the heavy one for transporting free n beyond what it was compensated for—he specified routes in the new territories, the mail conveyance on exceeded by \$1,135,819.55, the postage yield of the supplied by them.

An act of June, 1866, provided that prepaid and letters should be forwarded, on the request of a part dressed, from one post office to another without addit postage, and that dead letters should be restored t writers without charge. It also authorized a readjust of the salaries of postmasters of the two lowest cl (the fourth and fifth,) in cases where the quarterly reshowed that their salaries were ten per cent. less than would be under the law of 1854, fixing the commission

postmasters.

TELEGRAPH LINES.

In Great Britain the telegraph lines have been associated with the post office establishment, and the subject of connecting the two in this country has attracted much attention.

It has been estimated that a million of dollars would not exceed the average sum diverted from the United States post office by the telegraph, since its introduction into general use. Whether a rival mode of communicating intelligence, which bids fair to become increasingly so, as its charges may be from time to time reduced, should remain in private hands, becomes therefore a national question of great interest.

On the 24th of July, 1866, an act was passed providing that the United States might, at any time after five years from that date, purchase for postal, military, or other purposes, all the telegraph property and effects of any or all of such companies, at an appraised value, to be ascertained by five competent disinterested persons, two of them to be selected by the Postmaster General, two by the companies

Interested, and one by the persons so selected.

Recent action of Congress, however, indicates an opinion on its part that it would be better to leave the business of telegraphing in the hands of the companies. This view will probably continue to prevail.

LETTINGS OF MAIL CONTRACTS.

The contracts for the inland service are let, as a rule, for four years, (with occasional supplementary lettings running for twelve months.) As one of the geographical sections—northern, middle, southern, and western—into which the contract office divides the Union for this purpose, is placed under new service on the 1st of July of each year, the entire circle is thus kept in constant motion.

The law makes it the duty of the Postmaster General, before advertising for proposals for the transportation of the mail, to form the best judgment practicable as to the mode, time, and frequency of transportation desirable on each

route, and to advertise accordingly. It directs that the proposals for contracts shall be delivered to the Department sealed, and kept sealed until the biddings are closed, and shall then be opened and marked in the presence of the Post master General, and one of his assistants, or in that of two of the assistants; also that an abstract of the bids received containing the names of the parties offering and the terms and duration of the proposed contracts, shall be recorded in a well-bound book. No proposal is allowed to be considered unless accompanied by a guaranty signed by one or more responsible persons, undertaking that the bidden will, if his bid be accepted, enter into an obligation, in such time as may be prescribed by the Postmaster General, with good and sufficient sureties, to perform the service proposed.

In but few cases is any discretion left to the Department as to the bid to be accepted, the requirement of the law beging that the contracts shall be awarded to the lowest bidders, whose bids comply with the conditions of the advertisement under which they are sent in, and provided they are accompanied with proper guaranty. After the proposals have been examined and recorded, the awards are announced to parties interested, who may be present. To all accepted bidders a written notice is forthwith forwarded, which is followed soon after by forms of contract to be executed in duplicate, one copy of the same to be retained in the Department, the other to be lodged with the Auditor, as authority for making payments under the contract, no part of which can issue till this is done.

COLLECTION OF THE DEPARTMENT'S REVENUE.

No money has been sent direct to the Department withing the last thirty or forty years. Furthermore, scarce any of its revenue is paid into or out of the National Treasury, except constructively, being absorbed by the deposits and payments made by postmasters under its orders. To effect its collection and disbursements the post offices are classified as depositories, deposit, draft, collection, special and mail messenger. These numbered for the fiscal year ending June 30, 1867, as follows, respectively, viz:

he depositories. (67.) The postmasters of these are died to receive and retain, subject to the drafts of the artment, their own funds and those of certain adjacent es.

leposit offices. (680.) A portion of these deposit their mues with the Treasurer and Assistant United States asurers, which amounted in that year (1867) to \$3,299,-42. The others deposited with the 67 depositories 7,927.34.

raft offices. They hold their proceeds subject to special its issued by the Third Assistant Postmaster General, ch, with the payments made by the depositories on simdrafts, amounted in 1867 to \$2,447,009.40.

The collection offices, by far the most numerous class, pay their receipts on collection orders, drawn on them by Auditor, in favor of mail contractors. These footed for said year \$7,857,716.47.

Vearly one-sixth of the entire number of offices are we as special and mail messenger, and pay their avails the carriers who furnish them with the mail. Their ments amounted to \$339,397.19 in the year mentioned. In short the Post Office Department, under the provisions the reorganizing statute of 1836, is virtually its own source and cashier, the Auditor being its accountant. Is financial system works so well as hardly to admit of rovement.

ORGANIZATION OF THE DEPARTMENT.

his may be considered in reference to its internal and ernal arrangements.

he constitution and laws devolve the administrative agement of all its affairs and workings upon the Post-ter General. His assistants and clerks share no part is authority, but are merely ministerial agents to perasuch services as he has not time to attend to in person. preparation of the cases coming before him for decision, ntrusts to four bureaus, (or offices,) styled respectively Appointment, Contract, Finance, and Inspection Offices,*

The Inspection Office has since been merged in and made a sion of the Contract Office.

the first three presided over by the Three Assistant I masters General, the Inspection Office being supervised the Chief Clerk of the Department.

This will be a convenient place to give a list of the cessive Postmasters General, with the dates of their pointment; also of the heads of the three principal bur of the Department. [These lists have been corrected f Mr. Leech's manuscript, and have been brought dow the present time, October 1, 1878.]—W. L. N.

Showing the State to which each was accredited, and the da

LIST OF POSTMASTERS GENERAL,

appointment: Samuel Osgood______Massachusetts____Sept. 26. Timothy Pickering Pennsylvania Aug. 12, Joseph HabershamGeorgiaFeb. 25. Gideon Granger Connecticut Nov. 28. Return J. Meigs Ohio March 17, John McLean......OhioJune Wm. T. Barry......KentuckyMarch Amos Kendall _____Kentucky _____May 1, John M. Niles _____Connecticut ____May 19, Francis Granger _____New York____ March Chas. A. Wickliffe _____Kentucky ____Sept. Cave Johnson _____ Tennessee ____ March 6, Jacob Collamer _____ Vermont ____ March 8, Nathan K. Hall......New York.....July Samuel D. Hubbard _____ Connecticut ____ Aug. James Campbell Pennsylvania March 7, -- Horatio King Maine Feb. Montgomery Blair _____ Maryland ____ March 5, Wm. Dennison_____Ohio ____Sept. Alex. W. Randall Wisconsin July 25, John A. J. Creswell..........MarylandMarch 5, James W. MarshallNew JerseyJuly Marshall Jewell Connecticut Sept. 1, James N. Tyner____Indiana ____July

At the head of the three principal Bureaus.

Finance Office.	Appointed in-							Daniel Coleman (N. C.)	John S. Skinner (Md.)	John A. Bryan N. M. Miller (Ohjo)			Wm. J. Brown (flad.) 1845				A N Zavely (N C)				W. H. H. Terrell (Ind.)1869	James W. Marshall (N. J.)1869 John L. Routt (III.)1873			James N. Tyner (Ind.)	
Contract Office.	Appointed in-						has. K. Gardner								Fitz Henry Warren (Iowa) 1851	Wm. H. Dindas (Va.)		Geo. W. McLellan (Mass.) 1861			Giles A. Smith (III.)1869	John L. Routt (III.)1871	•	Vames N. Tvner (Ind.)1875	Thos. J. Brady (Ind.)1876	
Appointment Office.	Appointed in-	Jonathan Burrall1789	Chas. Burrall1791	Ahraham Bradley, Jr1800	Seth Pease1810	Phineas Bradley1818	Chas. K. Gardner	Robert Johnson1836	Philo C. Fuller	John A. Bryan	J. W. Tyson	Wm. Medill (Ohio) 1845	Wm. J. Brown (Ind.)	Fitz Henry Warren (Iowa) 1849	S. D. Jacobs (Tenn.)	Selah R. Hobbie (N. V.) reappointed, 1853	- Horntio King (Me)	John A. Kasson (Iowa)	Alex. W. Randall (Wis.)	8t. John B. L. Skinner (N. Y.) 1866	George Earle (Md.)	James W. Marshall (N. J.)1869	James H. Marr (Md.)	James W. Marshall (N. J.)1874	James N. Tyner (Ind.)	

[Nore.—In some cases, in the early times of the Department, the First and Second Assistants exchanged places in the supervision of the Appointments and Contracts, so that there is some uncertainty in the designations of these in the above columns.] W. L. N.

The Appointment Bureau is at present (1868) under the superintendence of General St. John B. L. Skinner, Fir Assistant Postmaster General, who is aided by 43 clerk and has the immediate charge of all matters connects with the establishment, discontinuance, or change of (nan or) site of post offices; the appointment or removal of postmasters and clerks; the appointment and compensation of special, route, local, and other postal agents, an of post office and postal-railway clerks; and the distribution

tion of blanks, &c., for the use of the post offices.

The Contract Bureau is in charge of George W. Mc Lellan, Esq., Second Assistant Postmaster General, who with the assistance of 65 clerks, supervises all matters con nected with the arranging, advertising, placing under contract, and altering, from time to time, the details of the inland post routes, including the mail-messenger arrangements, and the correspondence with mail contractors. Latterly, this bureau has, also, had supervision of the Inspection Office, whose business is to investigate the reports of postmasters touching the faithful performance, of deficiencies, as the case may be, of contractors; the imposition and remission of fines for delinquencies of this class; to investigate all reported depredations on the mails, or other violations of the postal laws; and to procure and distribute the mail bags, locks, and keys.

The Finance Bureau, employing 135 clerks, (including 65 females,) is supervised by Alexander N. Zevely, Esq. Third Assistant Postmaster General, whose duties extend over the payment of warrants and drafts in satisfaction of balances reported by the Auditor to be due to mail contractors and the creditors of the Department; the issue of postage stamps and envelopes, and instructions relative thereto; the receipts and return of dead letters; and the

postal money-order division.

It is proper to add that the bureau of the Sixth Auditor, although strictly a branch of the Treasury Department, constitutes an important factor in the postal machinery, as it keeps the accounts of, and makes settlement the great army of postmasters and contractors, roother postal agents; also conducts the accounts and so set the settlement of the postal agents; also conducts the accounts and so settlements.

ents growing out of the foreign mail service, the postal oney-order system, and the issue of letter stamps and velopes; also reports to the Postmaster General quarterly dannual statements of the receipts and expenditures of establishment.

e establishment.
In regard to the exterior organization a few words only ill be needed, as the public come in contact with it, in its prious phases, almost daily. Suffice it to say that there ere in the service, in the year 1868, 26,481 postmasters, 391 mail contractors, 1,198 letter carriers, 232 postabliway clerks, 49 special agents, and 490 route agents, in dition to the large number of post office clerks, and other inor agents.

The special agents are clothed with important powers of discretionary and general character in the States or disticts to which they are respectively assigned. They are structed to correct and report to the Department any

regularities falling under or brought to their notice in post offices or on the mail routes, as well as to arrest ail depredators. They for the most part travel incog., and constitute a secret detective force of great value.

The route agents are virtually traveling postmasters. Ley receive letters at the railway cars up to the time of parture, which they mail and account for in due form. Ley also exchange pouches with postmasters at the interediate offices, and accompany the mails on the cars beten the terminal post offices, thus affording them protects.

The mail messengers perform a more humble duty, conying the mail pouches and bags between the railroad tions and the post offices supplied by the cars, where that distance the bags are delivered by employees the railroad companies carrying the mail.

The local agents are usually employed at points where veral railroads converge, to see that the bags going to verse points of the compass are, on their arrival, properly and transferred to the connecting trains.

LOCATION OF THE GENERAL POST OFFICE.

The United States Post Office Department, located the seat of Government in the city of Washington, ocq pies an elegant structure of white marble, in greater particles from Maryland quarries, quadrangular in shape, enclosis a court.

The two main fronts, on E and F streets, facing sout wardly and northerly, are 204 feet in length; the other two, on 7th and 8th streets, are 300 feet in length.

The building, commenced in 1839, is in three stories, an adaptation of the Corinthian order of architecture, an was designed and built, in its southern portion, under the direction of Robert Mills, architect, and completed in full extent, in 1855, by Captain (now General) M. Meigs, U. S. Engineers, from the designs of T. U. Walter architect, costing about \$1,700,000.

With the exception of the north front, which faces magnificent building of the Department of the Interior generally known (from one of its bureaus) as the Pate Office building, it is so hemmed in by comparatively now streets and private houses as greatly to lessen the admirable effect its beautiful proportions are adapted to produce on beholders.

Within its walls (in 1868) are engaged about 360 clean and other employees, including those of the Sixth Audior Office, (of the Treasury Department,) who are locate here for the purpose of convenient reference to the Potoffice records.

The Washington city post office occupies the central portion of the north front, the mails being received and despatched through a carriage way on the west front opening into the central court.

At the period of its creation, and for a year or thereafter, the postal institution was located in the city New York; subsequently, until November, 1800, in Philadelphia, whence it was moved, with the other executive offices, to Washington city, and was there located in small edifice, at the northwest corner of E and 9th street thence it was taken to some rooms in the Navy Department.

nt Building (southwest of the Presidential Mansion.) agress having, in 1810, authorized the purchase of a arate building for the joint use of the Post Office and Patent Office, the building then known as Blodgett's stel, on the southern front of the present site of the Post lice Department, was purchased for this use. On the raing of the Capitol by the British troops, on August , 1814, the Post Office was displaced for the temporary at of Congress, and was removed to the Gunton building, the northwest corner of 9th street and Pennsylvania enue, whence it was restored to the hotel site a couple of ars subsequently.

This building (of two stories of brick) was accidentally stroyed by fire through carelessness of an attendant, on a morning of December 15th, 1836, with the greater porn of its contents, all the Patent Office models (in the per story) being consumed; while but few of the Post fice books and papers were saved, and these only by the sonal exertions of Postmaster General Kendall, aided

a few faithful clerks* and attendants.

The Department's seat of operation was thus again ved, and this time to the edifice on Pennsylvania enue, known during late years as Willard's Hotel, where remained until December, 1841, the date of its return to place of its present commodious quarters.

GROWTH OF THE DEPARTMENT.

The great increase, from year to year, in the number of st offices and in the extent of the post routes, forcibly istrates the rapid advance of the nation.

The steady expansion of the Department during the 79 ars of its existence (up to 1868) is shown in the followtable:

continued to 1878, and placed, for more convenient reference, at the close his history.—W. L. N.]

Among whom was Mr. James Lawrenson, now the oldest rking member of the postal corps, he having entered the Baltire Post Office in 1819, and the Department proper in 1834. om his lips have been derived much of these details, especially regard to the successive local habitations of the Department.— L. N.

Forty years ago the entire mail leaving the city of Ne York in any one direction, on a single day, could co veniently be carried in "the boot" of a coach. In 186 the average daily weight carried between that city at Washington exceeded a ton. Through the aid of stea and the iron track, the mails are now transported wit speed many times greater than in the early part of the present century, while the territory traversed, without taking into account the foreign service, instead of being confined to a narrow district along the Atlantic seaboard as in 1789, extends in one direction to the Mexican border and in another to the Pacific Ocean.

It is estimated that, at present, about 500,000,000 letter pass in one year through the post office of this country.

Here ends the compilation of the late Mr. D. T. T. Leech, who departed this life on November 5, 1869, after a useful and honorable career in the public service.

It remains to continue the exhibit of the principal features of the progress of the postal system of the United States, which shall be done with as much brevity as proticable, preserving the form adopted heretofore, of grouping the most noticeable facts under the heads of successive Presidential Administrations.

It may be proper to remark that the figures shown in the foregoing and subsequent tables of this brief history have been taken from the several published annual reports of the Postmaster General; as also here to supply an omission in the body of the history at page 37, where it should have been stated that Postmaster General Hall, having resigned, was succeeded (August 31, 1852) by Samuel D. Hubbard, of Connecticut, for the remainder of President Fillmore's term. See the list of Postmasters General.

W. L. NICHOLSON.

In continuation of notice of postal affairs during the latter part of the administration of President Johnson (whole term 1865–1869,) under Postmaster General Alex.

dall, the chief features worthy of mention are these: at line of railroad from the Missouri River to the Ocean, formed by the two companies, the Union and the Central Pacific, was urged forward with pled rapidity, opened for traffic in successive s at both ends, and completed in May, 1869, when I cumbrous mail stage-coach of "the overland was finally superseded. The mail service over arts of the Territories to the far northwest and at was pushed with great vigor; Mr. Randall g in the post office system being used as an agent unct in the opening out of new settlements, without re regard to the Department being made self-suswhile the country was as yet sparsely filled up.

rans-Atlantic mail steamship service was also inand improved, new postal conventions with Great
North Germany, Belgium, and other countries
into operation on January 1st, 1868, under which
untry made its own arrangements for the mails it
ned, and each remunerated the owners of the steammployed for their conveyance. Under the same
convention with Great Britain the single rate for
ional letters was reduced from twenty-four to twelve
This rate was afterward still further reduced to
s on January 1st, 1870. The single rate on letters
the United States and Canada had been reduced
n cents to six cents on April 1st, 1868.

steamships from San Francisco to Japan and China need to run at intervals in the early part of 1868, gular monthly service after the month of July of ar. Steamship service was also established with and the Hawaiian (Sandwich) Islands.

railway postal system introduced by Postmaster l Blair was greatly extended, while continuous vere made to harmonize the interests of the railroad ies and the Government in the adjustment of pay service.

oncentration and better supervision a Blank Agency ablished at Washington, and those at New York ffalo were discontinued. Mr. Randall advocated a thorough re-organization of t Department, in the assignment of duties and better co pensation of its officers and employees generally, but t want of harmony with the other governmental depar ments in arrangements for presentation of such and sin lar propositions before Congress, no comprehensive syste was then adopted.

ADMINISTRATION OF ULYSSES S. GRANT-1869-7

President Johnson was succeeded by General Ulysses Grant, who appointed (March 5th, 1869) as his Postmast General, John A. J. Creswell, of Maryland.

This gentleman brought to the discharge of his high and multifarious duties, an energy and quickness of apprehension and resource, admirably adapted to cope with the

problems presented.

During the period of over five years while Mr. Crewell was at the head of the affairs of the Department its various branches continued to develop, to be systematized, and to take on that smooth and easy, yet rapid most of working, characteristic of the modern demands upon the public service. He placed before himself two aimsents, to promote the general efficiency of the Department—secondly, to relieve it, as far as possible, from the heavy excess of expenditure over revenue. The first all was satisfactorily attained, the second only partially, own to causes already seen to be inherent in all postal legislation for this progressive nation.

Particular attention was given to improve the mode making the annual lettings, and to break up an abuse of attempted by fictitious bids from irresponsible parties, far

iarly known as "straw bids."

Mr. Creswell was a strenuous advocate for the abolition of the "franking privilege," as entailing a burdensome upon the Department, and he finally succeeded in securities total abolition, July 1st, 1873. He also strongly upon the feasibility of incorporating the electric telegraphs an arm of the Department's agency, by purchase of the lines from the private companies. Also the establishment

ernmental postal savings banks, (or "depositories,") benefit of the general public, drawing attention to reat success as a part of the British post office.

suggested liberal legislation for the revival and agement of American ship-building interests, and in the re-establishment of American lines of transic steamers; urged the increase of the service, from ly to semi-monthly upon the Japan, China, and lines; and that communication by American steamshould be opened with the countries and islands of uthwest Pacific Ocean. He called attention to the at heavy English mails were already being transacross our continent to and from New Zealand and ustralian colonies, the time occupied being much

r than by the Suez route.

owing upon the important reduction effected in posttes between this country and the United Kingdom eat Britain and Ireland, (January 1, 1870,) the postarges were reduced, towards the close of that fiscal rom 15 to 10 cents per single rate on the letters exed by closed mails, via England, with Germany, Bel-Italy, The Netherlands, and Switzerland, including ntries and places to which they respectively serve as ediaries. Reduced rates were also established, at the ime, to countries on the west coast of South America, Columbia, Sandwich Islands, New Zealand, Austrad the East Indies.

r continued efforts, for several years, on the part of ited States Post Office Department to induce that of to enter upon more liberal and mutually equitable ements in their intercourse, the last convention (of 2, 1857,) being very unequal in its details, these

were finally successful in the carrying out the terms nore satisfactory convention between the two counhich went into operation August 1, 1874, and by the single rate of letter postage was reduced to 9 per half ounce for the United States, and 50 cenin 10 grams for France.

pril, 1870, a new series of adhesive postage-stamps bstituted for those hitherto in use; each denomination of the new set bearing the head, in profile, of a ditinguished deceased American, taken from busts

acknowledged artistic excellence.

A bill "to revise, consolidate, and amend the status relating to the Post Office Department," afterward known as the Postal Code, was passed by Congress, June 8, 1871 which introduced several important improvements in the service, and likewise partially made a re-organization of the Department—an object which Mr. Creswell had much at heart.

A great increase in the money-order system, both domestic and international, may be noted. Exchange of posts money-orders went into operation with Switzerland, September 1, 1869; with Great Britain, October 2, 1871

and with the German Empire, October 1, 1872.

At the close, in 1873, of the first decade of the free delivery (letter-carrier) service in this country, the result were found to be very satisfactory, the general average of population to each carrier being then estimated at 3,690. The expense of the system at each office is paid out of the revenue of that office. Though the benefits are most apparent in the larger cities, they are still felt and appreciated in smaller places.

The ratio of the number of "dead" letters to the whole continued to be largely decreased by the use of stamped

envelopes bearing "return requests."

In accordance with the act of March 3, 1873, supply menting the abolition of the franking privilege, a serie of official stamps and stamped envelopes was prepared for the several Executive Departments, going into use of

July 1st of that year.

Following the lead of Great Britain, whose action in the matter, in her domestic service, dates from October 1, 1870, the Postmaster General was authorized by Congrey June 8, 1872, to furnish and issue to the public, "post cards," with postage stamps impressed, at a postage chargof one cent each. These were issued May 1st, 1873, an immediately came into great favor with the public.

The first foreign country with which an exchange country country was that of Switzerland, Man

1st, 1874.

n act had been in existence from July 24, 1866, prong that in consideration of the grant of certain valuafranchises, a reduction in charges for the transmission lovernmental dispatches would be made by such of telegraph companies as chose to come under such an ingement. By a subsequent act, March 3, 1871, the tmaster General was required to fix the rate to be paid telegraphic dispatches by the several Departments. first order was dated June 29, 1871, declaring-1st. at the rates for all telegraphic communications known the signal-service messages and reports, should be two ts for each word for each circuit over which it may pass accordance with the schedule of circuits and plans of Chief Signal Officer of the Army, and that no addinal or extra allowance should be made under any pre-2d. That for all communications on :t whatever. aslf of the Government, the rate should be one cent word for each distance of two hundred and fifty miles fraction of such distance.

At the expiry of the contracts with the various transilantic Companies, for the conveyance of the United ates mails, from and to New York, a new arrangement ent into operation January 1, 1874, whereby the compacts were required to furnish beforehand a schedule of the ilings of their steamships for the ensuing month, thus abling the Department to select and designate the vestes which should carry the mails on four days of each

æk.

Mr. Creswell advocated a change in the mode of the justment of the salaries of postmasters; recommended prepayment of postage on newspapers and other matrof the second class, by weight of packages, and that uniform rate and limit of weight be established for mislaneous printed matter; and also gave considerable tention to the difficult question of equitable pay for liroad companies carrying the mails.

With the wide spread operations of the Department, temerous delicate and important legal questions were conaually arising, requiring the close attention and discrimition of the Postmaster General, to an extent seriously interfering with other duties. To furnish adequate lei in the presentation and adjudication of these matte office of the Assistant Attorney General for the Post Department was created by law in the year 1873.

Towards the close of Mr. Creswell's term, the n of post offices in the United States being so largely increase, and great need being felt for a list thereof a intervals, arrangements were made for the publicat an official "Postal Guide," to be issued quarterly, the number of which appeared on October 1, 1874, un contract with Messrs. Hurd & Houghton, of Camb Massachusetts.

Mr. Creswell having resigned, July 3, 1874, to cohis private legal practice, was succeeded, temporari James W. Marshall, of New Jersey, then First Ass who filled the office of Postmaster General, with his tried urbanity and painstaking care, for about two muntil the advent of ex-Governor Marshall Jewell, of necticut, who had been called from the mission a court of St. Petersburg, and entered upon the postal con September 1st, 1874.

This administrator made it his effort to carry of the discharge of his functions, the methods of a lon successful experience of business life, and at the haffairs in his State, and to apply these as far as mig practicable, in the line of economizing and systems the service.

One of the first measures of Mr. Jewell, was to perfor a representative of the United States at the national Postal Congress meeting at Berne, Switze during the months of September and October, 1874.

Jos. H. Blackfan, Esq., Superintendent of Foreign was commissioned in that capacity, and succeeded it ing the interests of the United States Post Office guteed in the final treaty, which entered into effect or 1st. 1875.

The provisions of this treaty, world-wide in its are too numerous to be mentioned here—the main fe being that the countries forming the Union, twenty in number at its inception, were to constitute a

I territory for the exchange of correspondence, and t uniform rates; each country retaining all the post-collects, thus dispensing with the former system of rous accounts.

new postal arrangement was, about the same time, uded with the Dominion of Canada, for the unification of the postal systems of the two countries; under its sions, going into operation on February 1st, 1875, ier-lines are disregarded so far as the postal service icerned, the postage charges reduced to the domestic of the country of origin; thus bringing the two

ductions were also effected in the postage rates with countries not included in the General Postal Union; eduction applying chiefly to correspondence with the Indies, Central America, and countries of the west

es into closer social and business relations.

of South America.

e mail-subsidy contract with the United States and il mail-steamship company, for ten years, for a monthly having expired on September 30th, 1875, Mr. Jewell essed himself as in favor of the general principle that rate subsidies, in excess of the postage allowed, be ed by Congress to establish, and maintain steamship by American citizens across the Atlantic, and to American ports. Pending other arrangements, the course for the United States mails to and from Brazil, he adjacent South American States, must be the cirus route, via England, and thence by British mailets to Rio de Janeiro, thus involving very serious Other European countries also enjoyed direct course with Brazil by as many as ten lines of steamers. . Jewell took great interest in the introduction in of "fast-mail" service, that is, exclusive and limited trains, composed of fully-equipped postal cars, on a f the principal railroads, a service which under the ing care and energy of the late George S. Bangs, ral Superintendent of Railway Mail Service, attained st safisfactory development. The fast-mail trains however, withdrawn in consequence of inadequate priations for their continuance, and for the re-adjustment and increase of allowance to the railway companion for the performance of this, and the usual service, as estimated by weights carried; the weights of the mails (the first ordered weighing took place in 1867) being found to be much larger than those previously taken, on which appropriations, therefor, per act of March 3d, 1873, had been based.

It having been found that the proceeds of the domestic money-order service did not meet the expenses, the schedule of fees for orders not exceeding \$30 was increased, the fees for orders of larger amounts remaining unchanged. This change took effect July 1, 1875.

Under a convention between the United States and the Dominion of Canada, the exchange of postal money order between the two countries was put in operation August 24.

1875.

An exchange of "postal cards" with Switzerland, of the basis of a prepaid postage of two cents in full to destination in either country, was established May 1st, 1874.

The free delivery system continued to be extended, as also the use of "registered letters," the fee for their prepayment being reduced on January 1, 1874, from 15 cents to 8 cents, but this was afterwards modified so as to make it 10 cents on each letter or package for all parts of the world.

A modification was made in the salaries of those useful and hard-working men, the letter carriers, and an effort made towards classifying and grading according to length of service and efficiency.

Mr. Jewell introduced a re-organization of the system of repairing mail bags, which was ably carried out by his Assistant, (and afterwards successor) Mr. Tyner, resulting

in a great reduction of that item of expense.

Finally, after this exhibit of the labors of Postmaster General Jewell, directed towards improving and economizing the service in all its details, it is with a feeling of regret that we have to add that his hopes of a considerable reduction in the annual deficiency of the Post Office Department were not realized to the extent he desired—the ever-present cause of the excess of expenditures over reven

mes being the calls—not to be resisted—for providing mostal facilities to the most sparsely settled as well as to the older and denser populated parts of what Mr. Jewell well characterized as our nation's "magnificent domain."

Mr. Jewell resigned on July 12th, 1876, and President Grant embraced the opportunity in the assignment of his uccessor, to avail himself of the long experience, in postal well as in legislative affairs, of James N. Tyner, of Indiana, who had been for some time past the Second Assistant.

At the Centennial Exposition in Philadelphia, during the latter part of the year 1876, the Post Office Department was duly represented. A branch of the Philadelphia post office, fitted up with the requisites of a first-class post office, was located in the Government building in the rounds, for the accommodation of the foreign and domestic officials and exhibitors, and the large number of persons a daily attendance on the exhibition.

Letter boxes were located throughout the grounds, and corps of letter carriers supplied every practicable facility

or the prompt transaction of this business.

. An exhibit was also made of a railway postal car with ts catching and delivering apparatus, and specimens of he mail bags and locks, post-route maps, and an envelope utting and stamping machine, attracted the curiosity and paterest of visitors.

On December 31, 1876, the contract existing for the revious ten years, with the Pacific Mail Steamship Comany for the conveyance of a monthly mail from San rancisco to Japan and China expired, and thereafter the rovisions of the general law limiting the compensation for the transportation of the mails by sea to the amount of ostages on the mails conveyed became applicable to this oute. This was the only American ocean steamship line, accept that performing weekly trips between Philadelphia and Liverpool; all other trans-Atlantic and Pacific mail ervice being performed by steamships sailing under the lags of other nations.

The General Postal Union continued to be enlarged by he admission of other countries, notably by those of

British India and the French colonies.

A special arrangement, taking effect from August 24th 1876, was concluded with the General Post Office of th United Kingdom of Great Britain and Ireland, increasing the transit charges on the British and Australian close mails, now of such great bulk and weight, conveyed across the American Continent, between Boston or New York and San Francisco.

Mr. Tyner was able to report that during the past year the loss and annoyance to the Department, occasioned by the vicious system of "straw bids" had almost wholly disappeared; the prompt measures taken in case of failure of bidders and contractors tending to this result. The requirements of the law of 1874 requiring the deposit by all bidders upon every mail route, where annual compessation for the service exceeded 5,000 dollars, of a check or draft upon a national bank of value not less than 5 per cent. of the annual pay of such route, the deposit to be forfeited to the United States in case of failure on the part of the bidder, doubtless added to the stringency of these arrangements for the mail lettings.

In compliance with the law of July 12th, 1876, requiring a reduction of 10 per cent. in the pay of railroad companies for carrying the mails, a commission of three skilled and competent persons was appointed by the President to investigate the whole subject of mail transportation by railroad, with a view to making their report the basis of future legislation. These gentlemen entered on

their work about the first of August, 1876.

ADMINISTRATION OF RUTHERFORD B. HAYES-1877.

On the accession of President Hayes, the customary accompaniment of politico-administrative changes transferring, in this case, Mr. Tyner from the chief position, that of First Assistant, he was succeeded as Postmaster General, on March 7th, 1877, by David M. Key, of Teast essee, recently United States Senator from that State; the whose appointment the general opinion is that no more genial, dignified, and calmly judicial-minded occupant the postal chair could have been designated.

Mr. Key, in his first annual report, stated his satisfacion in finding the several bureaus of the Department to in excellent working order; and that everything conected with the postal service testified to the ability and Melity of his predecessor and those associated with him. In the same report, at the close of the year 1877, he called attention to the depressed financial and commercial andition of the country generally, as evidenced by the lling-off in the money-order business, and in the issues of ostage stamps and stamped envelopes, as also denoted by decrease of about 8 per cent. in the number of dead This latter fact, however, might be explained by te increase in the efficiency of the free delivery (carrier) This free-delivery, he regretted, could not be ctended to additional cities, (excepting Georgetown, D. C., om January 1st, 1878,) for want of sufficient approriation by Congress, which also necessitated a still further duction in the pay of the letter carriers.

Mr. Key had also to call attention to the unsatisfactory sail arrangements with the countries of South America afterwards partially improved by the terms of the Uniersal Postal Union going into effect April 1st, 1879,)—to be desirability of foreign book-packets by mail entering see of duty—to the adjustment of some ante-bellum mail ontracts being still unsettled—to the vexed question of quitable arrangements for pay to railroad companies arrying the mails—to the requirements for increased appropriations for the railway mail service—to the advisability of a change in the mode of paying postmasters of ourth class—and he suggested the detail of three experinced officers of the Department to go to Europe, and ramine and report on the operation and details of the ostal service of those Governments which have the most

omplete and efficient postal systems.

During the years 1877 and 1878, the territory of the leneral Postal Union was enlarged by further accessions, cluding certain colonies of Great Britain, of Spain, of e Netherlands, of Portugal, and of Denmark, Japan, razil, Persia, the Argentine Republic, the Dominion of

ınada, and Peru.

At an International Postal Congress, convened at Pa on the 1st of May, 1878, the United States was represent by Messrs. James N. Tyner, First Assistant Postmas General, and Joseph H. Blackfan, Superintendent Foreign Mails, who were successful in securing in trevised convention every important interest desired their Government. The Universal Postal Convention duly ratified and approved on August 13th, 1878, was go into operation on April 1st, 1879, replacing, from the date, the Postal Union Treaty concluded at Berne October 9th, 1874. The specific title of the previous existing International Union was changed to that "Universal Postal Union," but the modifications adopts are too numerous for mention here.

The exchange of money-orders with the Kingdom Italy was effected by a convention going into operation

July 2d, 1877.

The registry system was extended on October 1st, 1870 to mail matter of the third class—a measure which supplied a great popular want, with good hopes of a beneficiaries of the postal revenues.

At the recommendation of the Postmaster General, law was enacted May 17th, 1878, affording protection sub-contractors on mail routes, by giving them a lien for

their pay on the compensation due the contractor.

Among the important recommendations made by the Postmaster General, in his first annual report, (1877,) we one providing for the registration of newspapers and per odical publications entitled under the act of June 23, 187 to be transmitted through the mails at the rate of two and three cents per pound. In preparing a bill embodying these views and covering the whole subject of classification of mail matter, a new departure was made by consulting in conference, the leading publishers and business ment obtain their views upon the subject. The proposed action was highly commended at a postal conference held in the city of New York, October 9 and 10, 1878, at which were present representatives of the various interests, the Department being represented by Mr. A. H. Bissell, Law Classof the Department, in whose hands this matter had been

by the Postmaster General, and who had previously in able report on the subject. These views were sublly embodied in an act, March 3, 1879, which re-

all former laws relating to classification of mail: and rates of postage, made four classes of mail: liberalized the provisions of former laws respecting n inscriptions on printed matter, and defined printed r generally.

report of the commission of three, on the general et of transportation of the mails by railroad coms was made to the Forty-fifth Congress, with diverg-

iews on the part of its members.

atrasting with the statement in his report of 1877, Key found grounds to remark, in his report of the ving year, that there were visible signs of reviving serce throughout the country—the money-order busishowing a satisfactory increase, which was also the in the issues of ordinary postage stamps, stamped opes and postal cards.

e annual statistical statement of the Department ed for June 30th, 1878, the number of post offices to),258; the number of mail contractors 5,996; and

otal length of all post routes 301,966 miles.

Key, like most of his predecessors, in commenting e usual annual deficit of the revenues below the exitures, has remarked that the tendency of legislation ing the Post Office Department has been to cheapen ates of postage to a point below the cost of transport. This, with the large amount of mail matter, ial and Congressional) allowed, under the recent acts arch 3d, 1875, and March 3d, 1879, to go free through nails, must cause deficiencies to increase as the businereases, so that, as long as this continues, but little can be entertained of the Department becoming ustaining.

re we stop with this history of the Post Office Denent—respectfully requesting indulgence for imperfecor omissions, unavoidable, in a measure, with the limited space here disposable for the notice of details

so wide-spreading an institution.

A few lines may be added as to desiderata required the improvement of the service in the immediate future at least as gathered, more or less, from published intimations of the Postmaster General and from his Assistants at other officers of the Department.

To limit as much as possible the amount of free mata (franking privilege) and thus to decrease the bulk of t

mails, and the cost of their transport.

To make equitable arrangements with railroad companion the conveyance of the mails—adjustment of moderating this service—and resort to arbitration where particannot agree.

To encourage "fast mail" on service by limited trains to allow of the Department's selection, where practical of the hours of dispatch and schedule of mail trains and to induce sufficient appropriations for this and oth ordinary service.

Facilitating the free delivery (letter carrier) service, at extension of it gradually to other cities; combined with

adequate pay to the letter carriers.

Temporary contracts by the Postmaster General mail transportation to be allowable without advertiseme for one year instead of six months.

Book-packets by mail from foreign countries to be

allowed duty free.

To recommend to railroad managers, that in the namin of their stations, they should conform to the post office name, and that applicants for the establishment of not post offices should suggest the already known local name and avoid the adoption of a fanciful or merely person name, (such as Jeemes' Store, &c.)

To bring up, at the proper time, the consideration of the question of the incorporation of the Electric Telegraph as an instrument of the Department's working for the

people.

To utilize the Telephone, and other means of rapi

speaking and writing.

To test the applicability of the Pneumatic Tube Dispat

parcels and letters in the larger cities, from the main st office to sub-offices, as used in London, Paris, and

To establish Postal Savings Depositories, for the benefit the public—so successful in Great Britain, and in nada.

Enlargement or new construction of post office buildings some of the larger cities.

Extension of the Post Office Department building in

*ashington.

Re-organization of the Department, where advisable and acticable, in its personnel, grading of their salaries, and tribution of their duties, combined with an attempt, co-operation with the other Departments, to have the nure of office of well-tried and faithful officials placed a permanent basis; raising the question of gradual aprovement of salaries (to a fixed limit) according to night of service, and the privilege of retiring pensions of epartmental employees, as an act of simple justice, after air service to their country.

Last, and all the time, to pray Congress to grant full and beral appropriations for the support of this—emphatically the people's Department—the Post Office Department of

te United States.

GROWTH OF THE POST OFFICE DEPARTMENT.

tion U. S. Snnisl	8,929,214	-	5,308,483		7,239,881		9 9,633,822	_	9 12,866,020	1	14 17,069,458	_	28.191.876	_	543 31,443,321	-	17 88,558,871		
	Dollars.						48,999		89,809		174,71	30,890	-	3.326.20	10,652,543		4.226.61	6.819,949	
*8	sulq1u8.			66,900	44,006	55,715	294,944		77,482		567.268		1	287.032			861.420		-
diture o De-	Dollars. 32,140	117,893	218,904	877,867	495,969	748,121	1,160,926	1,229,043	1,959,109	2,585,108	4,718,236	4.820,782	5,212,953	9,968,842	19,170,610	13.694.728	23,998,838	88,611,809	
lo or -frage	Dollars. 37,935	160,620	280,804	421,878	551,684	1,043,065	1,111,927	1,306,525	1,919,300	3,152,376	4,543,522	4,289,842	5,499,985	6,642,136	8,518,067	14,556,159	19,772,221	26,791,360	
DS USED.	Carrying postal cars.	Miles.			-				-	-	-	111111111111111111111111111111111111111					1	8,252	16,932
RAILROADS	Total.	Miles.									_				_	_		43,727	_
-snart noit	Dollars. 22,081	75,859	128,644	239,635	327,966	487,779	782,425	785,646	1,272,156	1,553,222	3,213,043	2,898,630	2,965,786	5,345,238	8,808,710	6.803,487	12,855,543	18,285,170	
of all	Miles. 1,875	18,207	20,817	31,070	36,406	43,748	72,492	94,052	116,176	112,774	155,739	143,940	178,672	227,908	240,594	142,840	231,232	277.878	
tsoq.	75	453	903	1,558	2,300	3,000	4,500	5,677	8,450	10.770	13,468	14,183	18,417	24,410	28,498	20,550	28,492	85.547	
	1790	1795	1800	1805	1810	1815	1820	1995	080	2000	040	040	000	3000	1900	1000	1270	1075	

Contract Sections and Terms.

e area of the United States and Territories is, for irpose of the postal lettings and contract terms, divided our contract sections, and a general letting for one of sections occurs every year. The existing and proxilettings for the several terms are as follows:

st Section—July 1, 1877, to June 30, 1881;

-Me., N. H., Vt., Mass., R. I., Conn., N.Y., N. J., Pa., Md., Dist. of Col., Va., and W. Va.

ond Section.—July 1, 1876, to June 30, 1880;

-Ohio, Ind., Ky., Tenn., N. C., S. C., Ga., Fla., Ala., and s.

ird Section.—July 1, 1879, to June 30, 1883;

-Ill., Iowa, Mo., Mich., Wis., and Minn.

urth Section.—July 1, 1878, to June 30, 1882;

-La., Tex., Ark., Kans., Neb., Colo., Nev., Cal., Oreg., the ian Territory, and the Territories of Dak., Mont., Wyo., h, Idaho, Wash., New Mex., and Arizona.

Number of Departmental Officers and Employees, June 3 1878. Postmaster General _____ Assistant Postmasters General Superintendent of Money-Order System_____ Superintendent of Foreign Mails Chief Clerks of Bureaus Chief of Division of Dead Letters.... " " " &c., &c._____ Free-Delivery Service_____ Chief Special Agent General Superintendent Railway Mail Service Disbursing Officer and Superintendent of Building Total _____ 88 Postmasters and other Postal Agents. Postmasters _____ 89,258 Contractors Clerks in post offices Letter Carriers Route Agents Railway Post Office Clerks Mail Route Messengers Local Agents. Special Agents, (including 11 Superintendents of Railway Mail Service)

Total_____54,845

USEFUL TABLES.

The following selection of tables, on subjects cognate to at of the communications of mankind, drawn up from iginal sources and put together in compact form, will, is hoped, be found useful to all postal men, to men of siness, and to all interested in the progress of this ountry in its mission among the nations.

These tables are:

- Continental and Oceanic discoveries and explorations connected with the Western Continent.
- Internal improvements of the United States, &c., (roads, railroads, canals, steam navigation, telegraph lines.)
- 3. General statistics of the United States and Territories, (Census of 1870.)
- 4. Population of the larger cities of the United States.
- Some statistics of other countries having most postal business with the United States.
- Population of principal cities (chiefly sea-ports) of the world.
- 7. Postal statistics of Great Britain.
- 8. Difference of Longitude, (clock time,) between principal cities of the United States.
- 9. Metric and cental systems.
- 0. Weights and measures of foreign nations, (selected list.)
- 1. Table of distances, by shortest post-routes, in the United States.
- Table of sea distances between principal sea-ports of the world.
- Table for conversion of Statute (land) miles into Nautical (sea) miles, and vice versa; and table for conversion of Statute miles into kilometers, and vice versa.

No. 1.

Continental and Oceanic Discoveries and Exploration Connected with the Western Continent, (North as South America.)

1000. Discovery of the American Continent, by the Northman Leif (the Lucky,) son of Eric the Red, (from Greenland

- 1492. Discovery of the Bahamas and other West India Island by Christopher Columbus, (on October 12th, he first say Guanahani, called by him San Salvador, now known Watling's Island.)
- 1497. Discovery of the coast of Labrador, North America b John and Sebastian Cabot.

1497. Cape of Good Hope doubled by Vasco da Gama, on hi way to the East Indies.

1498. Discovery of the mainland of South America, near mouth of the Orinoco, by Columbus.

1498. Newfoundland visited and named by Sebastian Cabot.

1507. The name AMERICA first applied, (called after America Vespucci, one of the followers of Columbus, who put lished in 1504, an account of his voyage under the command of Ojeda to the coast of South America in 1494 and of his own voyages in succeeding years.)

1513. Pacific Ocean, (the "South Sea,") first seen by white men, from the Isthmus of Darien, and claimed for Castille, by Vasco Nunez de Balboa, sword in hand, standing in it

waters.

1521. Conquest of Mexico, by Hernando Cortez.

1522. One of Magellan's ships, (the "Victoria,") completed is circumnavigation of the globe, for which its commander, Sebastian de Elcano, received from his Emperor, (Charles V.) the glorious armorial bearing, a globe with the motto, "Primus circumdedisti me." 1532. Conquest of Peru by Francisco Pizarro.

- 1534. Lower California discovered, (Upper California in 1541.)
- 1535. Jacques Cartier enters and sails up the St. Lawrence river. 1541. The Mississippi river reached by Hernando de Soto. (LA
- Salle descended it to its mouth in 1682.)

1542. The Sandwich Islands discovered by Gaetano.

1565. Founding of St. Augustine, (Florida,) by the Spaniard, August 28th.

1607. First permanent settlement of Virginia, at Jamestown.

1608. Founding of Quebec, by the French under Samuel Champlain.

1609. The Hudson river entered and ascended, (above the pre ent city of Albany,) by Henry Hudson in the "He Moon."

20. Landing of the Pilgrim Fathers, at Plymouth, Mass. (Forefathers' Day is now celebrated December 22d.)

22. Dutch West India Company settled New Netherland, (at the present site of New York.)

30. Settlement of Boston, Mass. Maryland, under Lord Baltimore. Delaware, by the Swedes. 84. 88. 82.

• 6

" Pennsylvania, (Philadelphia,) by William

Penn. 80. Conquest of Canada, and other French settlements, by the British, (Quebec captured September 17th, 1759; Montreal surrendered September 8th, 1760.

75. Discovery of coast of Oregon.

76. Declaration of Independence of the Thirteen States, (proclaimed July 4th.

33. Close of war with Great Britain, and acknowledgment of the Independence of the United States.

18. Acquisition of Louisiana, by purchase from France.

O. Acquisition of Florida, by purchase from Spain.

- 2. Independence achieved, and formation of the Republic of Mexico.
- 2. Empire of Brazil established, (first Emperor, Dom Pedro I.) 8. Acquisition of California and surrounding regions, by

treaty with Mexico. 5. Close of the war of the Rebellion, (1860-1865.)

55. Slavery in the United States abolished, (amendment to the Constitution declared adopted December 18th.)

7. Acquisition of Alaska, by purchase from Russia.

i7. All the British Possessions in North America, (excepting Newfoundland and Prince Edward Island,) incorporated as "The Dominion of Canada."

No. 2.

Early Internal Improvements, Discoveries, &c.,

incipally of those which have facilitated the intercommunication of mankind on the American continent; roads, railroads, canals, steam navigation, telegraph lines.

ROADS.

In England: Mail coaches on the principal roads were roduced by Palmer in 1784, (maximum speed ten miles r hour.)

In the United States: The Philadelphia and Lancaster irnpike Company, incorporated April 10th, 1791, was the first in the United States; the road was opened The Cumberland (or National) road—summit 2,8 feet above the sea-was completed from Cumberland Wheeling in 1821, and afterwards extended through Ol and Indiana.

RAILROADS.

In England: The Stockton and Darlington was the first passenger railroad (employing horse-power,) opene in 1825. The Liverpool and Manchester (with Robe Stephenson's locomotive "Rocket") was opened in 1830.

In the United States: The South Carolina (Charlest) to Hamburg, opposite Augusta, Ga.,) in 1830, using low motive power; the Baltimore and Ohio was opened for ! miles to Ellicott's Mills, in 1830, with the first locomotive built in America (by Peter Cooper, of New York;) the road was completed to Wheeling, 380 miles in 1853-in Washington branch was opened in 1835; the Mohaw and Hudson, (afterwards called the Albany and Schene tady) a locomotive road, in 1831.

The Pacific Railroad, (from the Missouri river to Sac ramento, Cal.,) 1,776 miles, was completed in May, 1869.

The Panama Railroad, (48 miles long, summit 286 feet above sea-level,) was finished in 1855.

CANALS.

The principal ship-canals of the world are the following Year of completion.

1681. The Languedoc, or Canal du Midi, (in France, connecting the Atlantic with the Mediterranean,) 149 miles, 99 locks

1790. Forth and Clyde, (in Scotland,) 38 miles, 39 locks. 1823. The Caledonian, (in Scotland,) 60½ miles, 28 locks.

1825. The Erie, (Albany to Buffalo,) 363 miles, 83 locks—(● largement, 852 miles in length, in 1862.)

1825. The North Holland, (or Helder Canal,) in the Netherland

50 miles, 2 locks.

1826. The Göta, (Sweden,) connecting the Baltic with the North Sea-232 miles, 65 locks.

1848. The Illinois and Michigan, connecting Lake Michigan will the Mississippi river, 96 miles, 17 locks.

1850. The Chesapeake and Ohio, (Washington and Georgeton to Cumberland, Md.,) 186 miles, 75 locks, begun in 18 completed in 1850. (Extension and enlargement page posed to the Ohio River.)

51. The James River and Kanawha Canal, (Richmond to Buchanan, Va.,) 196 miles, 90 locks. Extension and enlargement proposed to the Kanawha river.

56. The canals of Canada were chiefly constructed during the

years from 1825 to 1856.

69. The Isthmus of Suez, 100 miles, no locks, opened throughout November 17 to 20, 1869.

76. The Amsterdam, (or North Sea Canal,) 161 miles, one great sea lock.

oposed. The American Isthmus Canal, Nicaragua (?) Panama (?) or Darien (?) to connect the Atlantic and Pacific oceans; one of the greatest projects of the present day.

The different routes examined for this, in order of locan from north-west to south-east, may be classed as those Tehuantepec, Nicaragua, Panama, and Darien, all of nich have been surveyed by naval commanders and engiers under orders of the United States Government.

The first of these (Tehuantepec,) would require a canal 4 miles long, with 4 tunnels, and 140 locks, to overcome summit of 754 feet above the oceans, and, with these atures, has been considered impracticable.

The second, (Nicaragua,) 181½ miles in total length, of nich 56½ miles are through Lake Nicaragua, whose waters ould be the summit plane, 107 feet above the oceans; the nal proper and slackwater 124¾ miles long, with 21 cks, and no tunnel.

The third, (Panama,) as surveyed by United States ficers in 1875, 41³ miles in length, the summit 124 feet ove the oceans, 25 locks, and no tunnel.

A rival project, presented at the Canal Congress in 1879, is 46.6 miles in length, (75 kilometers,) mmit 262 feet above the oceans, no locks, but a tunnel oposed on sea-level, 3\frac{3}{2}\$ miles in length, (6 kilometers.) Another route east of the preceding, extending south-urd from the Gulf of San Blas to the mouth of the yamo or Chepo river, about 37 miles across from ocean ocean; though requiring only about 27 miles of canal, dhaving good harbors at its extremities, would seem to quire further examination before being pronounced adsible, owing to the height of the intermediate ridges. The so-called Darien projects may be named as that of ledonia Bay (site of the unfortunate Scottish colony of

1698,) to the Gulf of San Miguel, and those conr with the Atrato river, severally known as the rou the Atrato-Tuyra, Atrato-Cacarica-Tuyra, Atrato-Tr Atrato-Napipi and Cupica, Atrato and Chiri-Chiri F

All of these latter, so far as yet examined, prese midable engineering difficulties, heavy summits pierced by tunnelling or deep cuts, and with, possibl certain supplies of water if locks are resorted to. seem to have been set aside by the late Canal Congi impracticable; though imagination delights to ling the tracks of the early path-seekers in that region, B "staring with eagle eyes" from "a peak in Darien, the long-headed Scot, Paterson, musing at his sea settlement on visions of commerce with the Indie we would fondly hope that Nature does not deny th splendid harbors in Caledonia Bay and the Gulf o Miguel, or the magnificent river Atrato, (with 28 feet of water for 150 miles up from its mouth,) may found, one or other of them, to be the veritable "d the seas."

Note added in 1879.—May we not hope that the ject of the American Isthmus Canal will soon be actually an American leader equal in executive abile M. de Lesseps, who so successfully carried out that a Suez Canal, and that the coming man may have the gratification, Doge-like, of casting into the water ring, signet of the marriage of the Atlantic and the I Oceans.

If the writer were to venture an opinion, based amination of the evidence so far, though his enginestudies and practice not having lain in that special tion, modesty counsels extreme diffidence, the Nica is the route, if adequate provisions can be made for holding its terminal harbors, a sine qua non of all canals. This route is an open-cut, (without tunnels easily practicable by the use of locks, well watered ennially from Lake Nicaragua, around whose shore fertile climate, may arise in the future a great popinteroceanic State.

The next in feasibility seems to be the Panama re

kewise an open-cut canal with locks, as reported favorbly on, from surveys of the United States engineers, excluding the idea of a long tunnel with great and unertain delivery through it of the floods from the adjacent later-sheds;) but this route, though shorter than the licaragua, lies in a more southern latitude, and presents reat engineering difficulties.

It may be interesting to remark, that the saving of dislace from the port of New York to San Francisco, via lake Nicaragua, over the present round-about track brough the Straits of Magellan, would be 8,600 miles, the respective distances being 13,610, and 5,010 miles, and proportionate immense saving between the Atlantic orts, and those of Asia, Australia, and New Zealand.

STEAM NAVIGATION.

The improvements (the almost creation) of the steamagine, by James Watt, (patented in 1769,) and the experdents and trials of succeeding laborers in that field, aved the way for the first successful introduction of the eamboat.

Robert Fulton ran the "Clermont" on the Hudson in 307; the "Accommodation" was run on the St. Lawrence 1809; Captain Roosevelt was the first to descend the Ohio ad Mississippi rivers in a steamboat, the "New Orleans," built under his care for Fulton and Livingston,) from ittsburgh, Pa., to Natchez, Mississippi, October, 1811, to anuary, 1812; Henry Bell ran the "Comet," (built in 811,) on the Clyde in 1812; James Watt, Jr., the "Caleonia" on the Rhine in 1817.

In 1815, two steamboats left the Clyde for the Thames, ne by the Forth and Clyde Canal and the east coast, the ther by the west coast, and round the Land's End.

The first steamboat which crossed the Atlantic was the Savannah," from Savannah, Ga., to Liverpool, in 1819.

The "Curaçoa" sailed from Holland to the Dutch West in 1829.

In 1833, the "Royal William" sailed from Quebec to ondon.

In 1838, the "Sirius" left Cork, Ireland, on April 5th,

and the "Great Western" left Bristol, England, on Apr 8th; the former reaching New York on the morning (April 23, and the latter on the afternoon of the same day.

The first steamship from Liverpool to New York, wa

the "Royal William," in 1838.

The first steamboat on Lake Ontario was run in 1816 the first on Lake Erie in 1818.

DATES OF THE ESTABLISHMENT OF THE PRINCIPAL TRANS-ATLANTIC STEAMSHIP LINES.

The Cunard, in 1840; the Royal West India Mail, in 1841; the Hamburg American, (Eagle Line,) and the Bremen, (afterwards merged in the North German Lloyd, in 1847; the Collins, in 1849; the Inman, and the New York and Havre Steam Navigation Company, in 1850; the Allen, in 1853; the Anchor Line, in 1856; the General Trans-Atlantic, (French Line,) in 1861; the National, in 1863; the Williams and Guion, and the Liverpool, Brazil and La Plata, in 1865; the Mississippi and Dominion, and the White Star, in 1870; the White Cross, (New York and Antwerp Line,) in 1872; the American, and the Red Star, in 1873.

TELEGRAPH LINES.

The realization of the wonderful extension of the electric-telegraph system in this country is due primarily to the scientific investigations, discoveries, and suggestions of Prof. Joseph Henry, (in 1828, 1829, 1830,) and to their practical adaptation by Prof. S. F. B. Morse, (in 1844,) along with his ingenious register and code of signals.

Morse's first message was sent from Washington to Baltimore, (40 miles,) on May 24th, 1844, in the words:

[&]quot;What hath God wrought!"

e first complete message through the (first) Atlantic was delivered on August 12th, 1858.

January 1st, 1878, there were 127,050 miles of telelines in the United States, and 346,439 miles in other of the world.

sides these, there were 90,880 miles of sub-marine s.

No. 3.—General Statistics of the United States and Territories—Census of 1870, (Nuth.)

Order of States accord ing to popu- lation.	16		26	24		33		34		33	12		4	9		11	53	90	21	23
No. of Post Offices. June 30, 1879	1,049	74	834	836	293	444	279	101	9	306	965	. 92	1,957	1,610	20	1,467	1,389	1,286	424	921
No. of Reps in Congress exclusive of Senators.	œ		4	4	1	4		1	**	¢1	6	1	19	13	-	6	53	10	9	2
Density of population. Persons to Sq. mile.	19.7	0.1	9.3	6.5	0.4	113.2	- 0.1	59.0	2,057.8	3.5	20.4	0.5	45.8	49.7		21.7	4.5	35.3	17.6	17.9
Population in 1870.*	996,992	1			39,864										1	7		1,321,011		626,915
Area. Sq. miles.	50,722	113,916	52,198	188,981	104,500	4,750	150,932	2,120	64	59,268	58,000	86,294	55,410	33,809	68,991	55,045	81,318	37,680	41,346	35,000
CAPITAL IN 1879.	Montgomery	Prescott	Little Rock	Sacramento	Denver	Hartford	Yankton	Dover	WASHINGTON	Tallahassee	Atlanta	Boisé City	Springfield	Indianapolis		Des Moines	Topeka	Frankfort	New Orleans	Augusta
Entered the Union.	1819		1836	1850	1876	1788	******	1787		1845	1788	-	1818	1816		1846	1861	1792	1812	1820
STATE OR TERRITORY.	Alabama	Arizona	Arkansas	California	Colorado	Connecticut	Dakota	Delaware	District of Col	Florida	Georgia	Idaho	Illinois	Indiana	Indian Territory	Iowa	Kansas	Kentucky	Louisiana	Maine

8	28	ō.		8	37	31	17		-	14	က	36	C 3	32	53	6	19		80	10		27	15		
202	662	1,646	123	692	115	453	678	102	2,920	1,365	2,313	354	3,333	110	299	1,316	1,218	198	494	1,661	200	843	1,327	09	40,855
2	9	13		-	-	က	7		33	00	8	-	27	2/1	5	10	9		က	6		က	00		293
5.3	17.6	26.3	0.1	1.6	0.4	34.3	108.9	8.0	93.3	21.1	66.7	1.0	9.92	166.4	8.03	27.6	3.0	1.0	32.4	32.0	0.3	19.2	19.6	0.1	-
439,706	827,922	1,721,295	20,595	122,993	42,491	318,300	960,906	91,874	4,382,759	1,071,361	2,665,260	90,923	3,521,951	217,353	705,606	1,258,520	818,579	86,786	330,551	1,225,163	23,955	442,014	1,054,670	9,118	38,558,371
83,531	47,156	65,350	143,776	75,995	104,125	9,280	8,320	121,201	47,000	50,704	39,964	95,274	46,000	1,306	34,000	45,600	274,356	84,476	10,212	38,348	69,994	23,000	53,924	97,883	
St. Paul	Jackson	Jefferson City	Helena	Lincoln	Carson City	Concord	Trenton	Santa Fé	Albany	Raleigh	Columbus	Salem	Harrisburg	Newport & Prov.	Columbia	Nashville	Austin	Salt Lake City	Montpelier	Richmond	Olympia	Wheeling	Madison	Cheyenne	
1858	1817	1821	1	1867	1864	1788	1787		1788	1789	1802	1859	1787	1790	1788	1796	1845	1	1791	1788	1	1863	1848		_
Minnesota	Mississippi	Missouri	Montana	Nebraska	Nevada	New Hampshire	New Jersey	New Mexico	New York	North Carolina	Obio	Oregon	Pennsylvania	Rhode Island	South Carolina	Tennessee	Texas	Utah	Vermont	Virginia	Washington	West Virginia	Wisconsin	Wyoming	

*Total population of 37 States and 10 Territories, = 38,558,371, as enumerated by the Census of 1870; including the District of Columbia, and exclusive of Alaska, in which the Census was not taken.

By the organic law, "Indians not taxed" were not enumerated. Professor F. A. Walker, Superintendent of the Ninth Census, by a careful subsequent estimate of these Indians and of the population of the Territory of Alaska, made the population of the whole country sum up a grand total of 38,925,598.

4

No. 4.—Population of the Larger Cities of the United States.

With few exceptions * these all have the free-delivery. The year of the Census is 1870, except in cases where a recent State enumeration has been made, which is indicated by the year of the century within parenthesis.

Earling Co. Mass. (75) 241,919 12465 141,024
--

i.—Some Statistics of other Countries having most Postal Business with the United States.

cures of the Census (or estimate) are those of the year of the present iry. The lengths of railroads and telegraph lines are for the year in most cases. For reference and comparison, the items for the United s are presented in the first line.

OUNTRY.	Area. Sq. Miles.	Population.	Year of cen- sus or eat'd	Rail Roads. Miles.	Telegr'h Lines. Miles.
AMERICA _ Britain and	3,603,884	38,925,598	70	82,894	127,050
land	121,297	31,628,338	71	17,077	114,902
e	201,900	36,905,788	76	13,148	35,445
any	212,091	42,727,360	75	17,133	24,317
ım	11,373	5,336,185	76	2,105	3,234
rlands	20,527	3,865,456	77	1,040	2,190
ark	14,553	1,940,000	78	854	1,901
ау	122,280	1,806,900	75	971	4,662
n	170,979	4,484,542	77	3,007	5,168
	182,758	16,835,506	70	4,937	8,583
erland	15,992	2,759,854	76	1,478	4,322
in Unnata	269,068				
ia-Hung'y_	114,305	38,411,000	78	11,255	29,204
	114,505	26,801,154	71	5,131	14,836
sia, (in	0 001 057	TO 001 145	20	10 414	01 450
ope)	2,261,657	78,281,447	70	13,414	31,459
D:	43,220	1,414,508	67	459	
Rico	3,550	617,327	72	00	1
ca	6,900	510,354	71	26	
nas	3,021	39,162	71		1
idas	24	12,121	71		1
	10,204	? 572,000			1
omingo al Ameri-	18,045	? 250,000			
States, (5)_	166,564	72,415,800			
olombia, 9.	504,773	2,913,343	71	66	1,378
la	3,372,290	3,686,096	71	5,574	10,995
0	743,948	9,343,470	74	672	7,310
	3,287,964	9,448,233	72	2,238	3,890
tine Con'f_	515,700	1,736,922	69	1,409	4,820
h India	908,350	191,018,412	76	7,324	17,840
alasia	3,068,310	2,503,217	77	2,424	22,557
Zealand	104,900	417,622	77	718	3,170
	?1,535,000	? 405,000,000		,	
	160,474	32,794,897	75	208	1,838
wich Isl'ds_	7,629	56,897	72	200	2,000

No. 6.

Population of Principal Cities (chiefly Sea-ports) of the World.

The particular census (or estimate) is indicated by the figures, of the century, within parenthesis ().

Great Britain and Ireland. (Census of 1871.)

Cork, 100,518; Dublin, 295,841; Edinburgh, 196,979; Glasgow, 547,538; Liverpool, 493,405; London, 8,254,260. (1876.) France.

Bordeaux, 215,140; Havre, 92,068; Marseilles, 318,868; Paris, 1,988,806.

Germany. (1875.)

Berlin, 966,872; Bremen, 82,807; Frankfort-on-Main, 103,136; Hamburg, 345,801.

Belgium. (1876.)

Antwerp, 150,650; Brussels, 376,965; Ghent, 127,653; Liége, 115,851.

Netherlands.

Amsterdam, 296,200 (77); Rotterdam, 136,280 (77). Denmark.

Aarhuus, 15,025 (70); Copenhagen, 250,000 (78). Norway.

Bergen, 40,100 (78); Christiania, 106,781 (78). Sweden. (1877.)

Göteborg, 71,707; Stockholm, 165,677.

Spain.

Barcelona, 215,965 (74); Cadiz, 57,020 (74); Madrid, 367,284 (74); Malaga, 97,943 (74).

Switzerland. (1870.)

Berne, 36,001; Geneva, 46,783.

Austria-Hungary.

Trieste, 109,324 (75); Vienna, 1,020,770 (75). Italy. (1871.)

Genoa, 180,269; Naples, 448,743; Rome, 244,484; Venice, 128,901. Russia.

Odessa, 162,814 (73); St. Petersburg, 667,926 (69).

Cuba.

Cienfuegos, 10,338 (—); Havana, 230,000 (78); Matanzas, 36,102 (61) Santiago de Cuba, 36,752 (61).

Porto Rico.

Juan de Porto Rico, 15,867 (60).

Jamaica. (1871.)

gston, 34,814.

Bahamas.

sau, (on New Providence Island,) 9,000.

Bermudas.

't-au-Prince, 80,000 (71).

San Domingo.

nana, ——— (—); San Domingo, 15,000 (—).

Central American States, (5) including Nicaragua.

te of Nicaragua; area, 58,169 sq. m.; pop., 800,000.

United States of Colombia, (9) including Panama (1870.) pinwall (Colon), 12,000; Bogota, 50,000; Panama, 18,378.

Canada. (1871.)

lifax, 29,582; Montreal, 107,225; Ottawa, 21,545; Quebec, 59,695; Toronto, 46,092.

Mexico.

apulco, 3,000 (?); Mazatlan, 12,000 (?); Mexico, 200,000 (?); Vera Cruz, 10,000 (?).

Brazil. (1872.)

hia, 129,109; Para, 20,000 (?); Pernambuco, 116,671; Rio de Janeiro, 274,972.

Argentine Confederation. (1869.)

enos Aires, 177,790; Cordova, 210,508.

British India.

mbay, 644,405 (76); Calcutta, 794,645 (76); Madras, 397,552 (76).

Australasia. (1871.)

lbourne, (Colony of Victoria,) 54,998; Sydney, (Colony of New South Wales,) 134,755.

New Zealand. (1874.)

ckland, 12,775; Wellington, 10,547.

China.

1ton, 1,500,000 (?); Foo-Chow, 800,000 (?); Hankow, 600,000 (?);
 Ning-po, 115,000 (?); Peking, 1,648,814 (45); Shanghai, 250,000 (?); Tien-tsin, (port of Peking,) 930,000 (?).

Japan.

Hakodate, 50,000 (?); Hiogo, 20,000 (?); Nagasaki, 80,000 (?) Tokio (Yedo,) 780,621 (75); Yokohama (Kanagawa,) ii port of Yedo, 61,553 (72).

Hawaiian (or Sandwich) Islands.

Honolulu, 14,852 (72).

No. 7.

Postal Statistics of Great Britain.—Principal Successive Improvements.

Year.

- 1784. Introduction of mail coaches (Palmer's; maximum speed 10 miles per hour.)
- 1838. Railways first used systematically for transportation of the mails.
- 1839. Money-order system introduced (remodeled in 1859.)
- 1840. Penny postage (Rowland Hill's suggestion.)

1840. Franking-privilege abolished.

1840. Postage stamps and envelopes introduced.

1840. Cunard Trans-Atlantic Steamship Line first subsidized.

- 1848. Book-post commenced.
 1855. First published Annual Report of Postmaster-General.
- 1856. Money-order business commenced with the colonies.
- 1859. Money-order business commenced with foreign countries.

1861. Post office savings-banks established.

- 1862. Pneumatic conveyance adopted partially by post office.
- 1865. Life assurance and annuity department of post office started 1870. Telegraph lines of the United Kingdom purchased an worked by the post office.

1870. Postal cards introduced (domestic.)

- 1875. Foreign postal cards introduced (under Postal Union Trest of Berne.)
- 1876. System of returned-letter-offices (dead letters) establish at some of the largest provincial towns, in addition the chief offices in London, Edinburgh, and Dublin afterwards extended, numbering 172 towns in all in 187

1878. Reduction in fees for registration of letters.

Operations of the British Post Office for the Financial Year endi March 31, 1878.

Compiled from data in Report of Postmaster-General (Gre Britain) 1878.

Note.—Population of Great Britain and Ireland, per census 1871: England and Wales, 22,712,266; Scotland, 3,860,018; It land, 5,411,416; total, 31,483,700. England and Wales are mo densely populated than any country of Europe, except Belgiu

In Great Britain and Ireland:

Number of post offices		18,763
Number of officers and employés (inclu	ding 18,768	10,100
postmasters and 11,473 attending to t	elegraph)	45,506
Estimated number of letters passing t	through the	
post (exclusive of books, newspaper	rs, and cir-	1,057,782,800
culars)Estimated number of postal cards passi	ng through	1,001,102,000
the post		102,237,300
the postEstimated number of newspapers passin	g through	400 550 000
the post Total number of returned ("dead") le	44	128,558,000
		4,873,625
Proportion of letters sent to the returned		
number transmitted is 1 to 217. Of the returned to the writers or reissued to c		
		,
Amount of inland (domestic) money- orders issued	007 070 115	@10° 000 004
orders issued	£27,870,117=	\$185,629,924
Number of offices		5,668
Number of open accounts of depositors.	•	1,791,240
(Interest allowed, 2½ per cent. per an-		1,751,240
`num.)		
Total amount on deposit	£28,740,757 <u>—</u>	\$139,866,894
Average amount on deposit of each	010 0. 103 2	670.00
open account		
Other savings banks (trustee savi	ngs banks) of	the country
at the end of 1876—	•	1 400 401
Number of depositors	049 999 700	1,493,401
Total gross receipts of the post office	£4,5,206,700=	\$210,040,120
(exclusive of telegraph)	6,047,312 =	29,429,243
(exclusive of telegraph) Total expenditure of the post office (ex-	, ,	
clusive of telegraph)	3,990,620=	
Net revenuePostal telegraph revenue	2,056,692:=	
Postal telegraph working expenses	1,333,542 = $1,164,000 =$	
Net revenue	169,542=	
Number of messages, 22,171,783.	•	•

No. 8.

Difference of Longitude (Clock-Time) between Principal Cities of the United States.

Among the questions that are forcing themselves upon the attestion of railroad and telegraph managers and the general public, is that of the assumption of one or a limited number of standard clock-times over the breadth of this country and the rest of the world, to avoid or to diminish the inconvenience and dangers arising from the indiscriminate use of local clock-times in travel and messages.

As a contribution of facts and useful memoranda towards the decision of this question, the following are offered; the longitudes, with exception of those of Halifax and Chicago, are taken from the published records of the United States Coast and Geodetic Survey:

PLACES.	Difference of Time from Greenwich.	Local Clock fast by Washington Time.	PLACES.	Difference of Time from Greenwich.	Local Clock slow by Washington Time.
Halifax, Nova Scotia Eastport, Me Portland, Me Boston, Mass New York, N. Y Philadelphia, Pa Baltimore, Md Washington, D. C., Capitol Dome Washington, D. C., U. S. Naval Observ'y.	4 14 24 4 27 57 4 41 1 4 44 15 4 56 2 5 0 36 5 6 28 5 8 2.4		Chicago, Ill. New Orleans, La. St. Louis, Mo. Omaha, Neb. Austin, Texas. Denver, Col. Salt Lake City, Utah	5 50 32 6 0 14 6 0 49 6 23 45 6 30 57 6 59 58	0 29 57 0 42 30 0 52 12 0 52 47 1 15 43 1 22 54 2 51 56 2 19 33

^{15°} of longitude = 1 hour difference of time; $1^{\circ} = 4$ minute; $15^{\circ} = 1$ minute.

Dimensions of the Earth (approximate.)

Data from article "Earth," by Prof. A. Guyot, in Johnson's Cyclopædia.

oyuupuu.	
	Stat. Miles.
Polar Diameter	7,899
Rquatorial Diameter	7,9251
Equivalent Diameter of a Sphere	7,916
Circumference at Equator	
	Square Miles.
Surface of the Globe	196,900,000
Land, (Continents and Islands)	52,900,000
Water, (Oceans)	144,000,000
Areas of Continents and Islands.	, , , , , , , , , , , , , , , , , , , ,
	Square Miles.
Asia	17,817,900
Africa	11,556,700
Europe	3,785,800
North America	8,892,000
South America	6,957,500
Islands	964,900
Total	52,900,000
Whole Surface of Globe taken as 100 ; Land is to to 73.	Water as 27
Length of a Degree of Longitude in different l	Latitudes.
At Equator, 1 degree of longitude = 69.16 statute n	niles.*
In Latitude 25°62.72 statute n	niles.
80°59.94 "	
85°56.72 "	
40°53.05 "	
45°48.99 "	
50°44.54 "	

No. 9.

Metric and Cental Systems.

Synopsis of the Metric System of Weights and Measures.

By act of Congress, July 28, 1866, the use of this throughout the United States is authorized, though not made mandatory.

^{* 69.16} statute miles = 60 nautical miles.

The Secretary of the Treasury is authorized and directed to furnish to each State one set of the standard weight and measures.

The Postmaster General is "authorized and directed to furnish to the post offices exchanging mails with foreign countries, and to such other offices as he shall think expedient, postal balances denominated in grams of the metric system, and until otherwise provided by law, one-half ounce avoirdupois shall be deemed and taken for postal purposes as the equivalent of fifteen grams of the metric weights, and so adopted in progression; and the rates of postage shall be applied accordingly."

It may be noticed that as the weight of fifteen grams is about six per cent. more than one-half ounce avoirdupois, (which equals 14.175 grams,) each person in sending mailmatter would have the benefit of so much more weight allowed him (for a given payment) by the use of the metric

postal balance.

The primal unit of the whole system is the Meter, (Metre of the French,) which was originally intended to be one ten-millionth of the distance from the equator to the pole of the Earth; but is now, irrespective of that definition, a recognized length (at a certain temperature) marked on a metal bar, adopted by an International Metric Commission, in 1872.

The metric (or decimal and cental) system is now in use by most of the countries of Europe and South America.

The opposition, or rather the indifference hitherto manifested in this country and in the mother-country, Great Britain, to its full adoption, arises in great measure from non-attention to the transcendent merits of a system so precise, uniform, and easily worked, when once well understood. As the intercourse of mankind increases, the absolute necessity for uniformity and simplicity will bring about this among others of the great reforms, which, when effected, cause wonder that the antiquated and vexatious processes of former generations should have been so long and so patiently endured.

The several units adopted for Length, Surface, Capacity,

and Weight, are:

· Length; the Meter. For Capacity; the Liter. For Weight; the Gram. · Surface; the Are.

, METER = 39.37 United States (and British) inches, nearly.

ARE is a square whose side is 10 meters.

LITER is the volume of a cube whose edges are $\frac{1}{10}$ of a meter

(one decimeter) in length.

GRAM is the weight of a cube of water (at a specified temperature) contained in a vessel whose capacity is one cubic centimeter, that is, whose edges are to of a meter in length.

'he scale of nomenclature of successive multiples and subtiples (parts) of these units is disposed thus, decimally to left to right of the Unit:

Hecto. Deka. UNIT. Deci. Centi. Milli. 90 10 10 0.1 0.01 0.001 Or, it may be thus stated, the prefix

a means 10 times the Unit. Deci means one-tenth of the Unit. to "100""" Centi means one-hundredth of the Unit. "Milli means one-thousandth of the Unit.

The (approximate) equivalents of these units and their ivatives in United States and British measures are as lows; reference being made for full and clear details, tabulated form, to the pamphlets published by the nerican Metric Bureau, of Boston, Massachusetts, and the papers issued under the authority of the Bureau of eights and Measures, United States Coast and Geodetic rvey, Prof. J. E. Hilgard, Inspector United States indard Weights and Measures, Washington, D. C.:

• Meter = 39.37 inches.

1 kilometer (1000 meters) = 0.62137 statute mile = about mile.

1 millimeter (mm.) = $\frac{1}{1000}$ meter = $\frac{1}{25}$ inch, nearly.

1 statute mile = 1609.35 meters.

1000 feet = 305 meters.

80 inches = 761.99 millimeters (in round numbers 762 mm.)

e Are (1 square decameter or 100 square meters) = 119.6 square

1 hectare (100 ares) = 2.471 acres.

1 square kilometer (Kilomètre carré) = 0.386 square mile =247 acres.

1 acre = 0.405 hectare.

1 square mile = 259 hectares = 2.59 square kilometers =640 acres.

```
The Liter (1 cubic decimeter) = 0.908 quart U.S. dry measure
            = 1.0567 quarts U.S. liquid measure.
       1 hectoliter (100 liters) = 26.417 gallons (U.S.) = 2.837
            bushels (U.S.)
       1 hectoliter = 22.09 gallons (British Imperial.)
       1 stere (1 cubic meter) = 1.308 cubic yards = 264.17 gal-
            lons (U.S.) liquid measure.
       *1 gallon (U.S.) = 231 cubic inches = 3.79 liters.
       1 quart (U. S.) = 0.9465 liter.
       1 bushel (U. S.) = 35.24 liters.
       *1 gallon (British Imperial) = 277.274 cubic inches = 4.54
            liters.
       1 bushel (British Imperial) = 36.32 liters = 8 gallons.
The Gram (weight of 1 cubic centimeter of water) = 15.432
       grains troy = 0.0353 ounces avoirdupois.

1 kilogram (or kilo) = weight of 1 liter of water =
            2.2046 lbs. avoirdupois.
       1 milligram (_{7700} gram) = 0.0154 grains troy.
1 quintal (100 kilograms) = 220.46 fbs. avoirdupois.
       1 ton of 2000 lbs. = 907 kilos, nearly.
                 11 lbs. = 5 kilos, nearly.
       1 lb avoirdupois (7000 grains troy) = 0.45859 kilos = 454
            grams, nearly.
       1 oz. avoirdupois = 28.35 grams.
       1 oz. avoirdupois = 14.175 grams = 218.75 grains troy, 15 grams = 231.480 grains troy.
```

No. 10.

Weights and Measures of Foreign Nations, (selected list,) stated approximately, with the equivalents of their principal moneys in United States Dollars.

The several kinds of measures are designated hereunder by the initials L. (Length,) S. (surface,) C. (Capacity,) W. (Weight,) M. (Money.)

GREAT BRITAIN. L. Mile (statute or land) = 8 furlongs = 1760
yards = 5280 feet. Fathom = 6 feet. Knot (sea or geographical mile) = 1.15 statute miles. League = 3 sea
miles. The yard = 3 feet is the legal unit, and is equal to
914.4 millimeters of the metric system. S. Acre = 4 roods

[•] The U. S. Gallon is the old Winchester wine-gallon of Great Britain (of 1706) — 231 cubic inches — about 8½ Bs. avoirdupois of water; whereas, the present British Imperial Gallon (of 1826) — 277.274 cubic inches — 10 Bs. avoirdupois of water at 62° Fahr. The British Bushel — 3 gallons.

- = 4840 square yards. Square mile = 640 acres. C. Imperial Gallon, having the capacity of 277.274 cubic inches, and containing 10 fbs. avoirdupois of water, at temperature 62° Fahr. Bushel = 8 gallons. Quarter = 8 bushels. Hogshead = 63 Wine gallons = 52½ Imperial gallons. W. Pound (avoirdupois) = 16 ounces (oz.) = 7000 grains (troy.) 14 fbs. = 1 stone; 2 stones = 1 quarter; 4 quarters = 1 cwt; 20 cwt. = 2240 fbs. = 1 ton. M. Pound sterling £1) = 20 shillings = \$4.8665.
- ance. New Measures, (Metric.) L. Métre = 3.28 feet. Kilométre = 0.62 statute mile. Millimétre (mm.) = about ½ inch. S. Hectare = 2.47 acres. Kilométre Carré (sq. kilom.) = 0.386 square mile = 247 acres. C. Litre = 0.264 gallon. Hectolitre = 22 gallons, nearly = 2½ Imperial bushels, nearly. Roughly. the litre = 1¾ pints, (Imp.,) the decilitre = a wineglass full, the centilitre = a small dessert spoonful, the millilitre = quarter of a teaspoon full. W. Kilogramme (or kilo) = 2.205 fbs. Quintal = 220 fbs. Tonneau = 2200 fbs. M. Franc, (of silver, weighing exactly 5 grammes) = 100 centimes = \$0.193, [\$1. = 5.18 francs.] Gold is to silver as 15½ to 1. Both gold and silver coins are nine-tenths fine, (i. e., one-tenth alloy.) Old Measures. L. Pied du roi = 12.789 inches. Toise = 6 pieds du roi. Lieu de poste = 4 kilométres. S. Arpent, varied from ¾ acre to 1½ acre. Legal Arpent = 1.262 acres = 51.072 ares. W. Livre = 1.079 fbs. avoirdupois = 489.5 grammes.
- RMANY. The Metric System is compulsory, but German names are permitted. M. Mark (100 Pfennig) = \$0.238. Old Measures were various in the different States. L. Prussian Post-Mile = 2000 ruthen = 4.6807 British miles. S. Morgen (or Acker) in Prussia = 0.6309 acre = 0.2558 hectare.
- LGIUM and THE NETHERLANDS have both adopted the Metric System. M. Franc = \$0.193. In the Netherlands, besides the Franc, the Florin (silver) is used = \$0.385, and the 10 gulden piece (gold) = \$4.019.
- NMARK retains the old measures. M. Crown (100 öre) = \$0.268,
- EWAY and SWEDEN, after decimalizing their old measures as a temporary expedient, have concluded to adopt the Metric System. L. Norwegian Mile (Mill) = 7.01 miles.
- M. Peseta (100 centimes) = 4 reales = \$0.193. Old Measures. L. Vara = 33.385 inches. Legua = 8000 varas =

- 4.1508 miles. S. Yugada = 50 Fanegadas = 79.855 acres. C. Arroba (for wine) = 4.079 gallons; (for oil) = 3.186 gallons. Fanega = 1.555 bushels. W. Quintal = 101.4 ibs. avoirdupois. Arroba = 25.35 ibs. avoirdupois. Libra = 1.014 ibs. avoirdupois. M. Doblon = 10 Escudos = 100 reales = \$5.015.
- SWITZERLAND. Metric System, with exception of some of the measures. Old Measures mostly various in different Cantons. L. Pied = 11.81 inches = 300 mm. Lieue = 16,000 pieds = 2.98 miles. S. Arpent = 8.56 acres = 1.44 hectares. W. Livre, or Pfund of the Zollverein = 1.102 ibs. avoirdupois = ½ kilogram. Centner = 100 pfund. M. Same as France.
- Austria-Hungary. Metric System, German names allowed.

 Old Measures. L. Meile = 4000 Klafter = 4.714 miles.

 Ruthe = 2 Klafter. S. Joch = 1600 square Klafter = 1.42 acres. C. Mass = 0.874 gallon. Metze = 1.745 bushels. W. Pfund (of Vienna) = 1.2347 ibs. avoirdupois.

 Centner = 100 pfund. M. Florin or Gulden (100 Kreuzer) = \$0.482. 8 Gulden or 20 francs = \$3.8589.
- ITALY. Metric System compulsory, with Italian names. M. Lira (100 centesimi) = 1 franc = \$0.193. Old Measures. Very various in the different States.
- Russia. Adheres to old measures. L. Sagene = 7 feet (U.S.) = 2.1334 meters. Archine = \frac{1}{3} Sagene. Verst \(\Rightarrow 500 \) sagenes = 3500 feet = 1.06678 kilometer = about \(\frac{3}{3} \) mile.

 S. Deciatine = 2.70 acres = 1.09 hectares. C. Vedro = 3.249 gallons. Tschetverik = 0.744 bushel = 26.22 liters.

 W. Funte (or pound) = 0.9026 ibs avoirdupois. Pood = 40 funtes = about 36 ibs. avoirdupois. M. Rouble (100 copecks) = \$0.748.
- CUBA and Porto Rico. See Spain.
- JAMAICA, BAHAMAS, and BERMUDAS. See GREAT BRITAIN.
- HAYTI and SAN Domingo retain the old French measures, but the Metric System is coming into use.
- CENTRAL AMERICAN STATES (5) and the UNITED STATES OF COLUMBIA (9) retain the old Spanish measures. See Spain.

 M. Peso (dollar) = \$0.935.
- CANADA and other British Possessions in North America. See GREAT BRITAIN. M. Dollar = \$1.00. S. In the former Lower (French) Canada, now Province of Quebec, the Arpent = 0.8449 acre = 0.33796 hectare. W. The old British cwt. and ton (of 2240 lbs.) are abolished, and are now legally 100 lbs. and 2000 lbs.

- Exico. Metric System. M. Peso (dollar) = \$1.015. Old Measures were those derived from Spain. L. Vara = 33.385 inches. 5000 Varas = 1 League = about 2.6 miles. 108 Varas = 100 yards. S. 1000 Varas = 1 Labor = about 177% acres. Square League = 1 Sitio = about 4428 acres. Four Sitio = One Township.
- AZIL. Metric System. M. Milreis (of 1000 reis) = \$0.545. The Old Measures, still in use, are derived from Portugal. L. Covado = 25.985 inches = 660 mm. Milha = 1.2785 miles. S. Geira = 1.4287 acres. C. Alqueire (of Rio de Janeiro) = 1 Imperial British bushel. W. Libra = 1.012 fbs. avoirdupois. Arroba = 52.38 fbs. avoirdupois. Quintal = 129.54 fbs. avoirdupois.
- GENTINE CONFEDERATION. Metric System, in partial use. New Standard. 1 Ser = 1 kilogram; unit of capacity is 1 Ser of water at maximum density, in vacuo. M. Peso fuerto (silver) = 100 centesimos. Old Measures. C. Fanega = 11 Imperial British bushels. W. Arroba = 25.85 lbs. avoirdupois. Quintal = 101.40 lbs. avoirdupois
- ITISH INDIA, AUSTRALASIA and NEW ZEALAND; Colonies of Great Britain, which see. In British India, Rupee (16 annas) = \$0.444. A sum of 1000 Rupees is called a lac.
- INA. L. Chik (of Peking) = 13.125 inches; (of Canton) = 14.76 inches = 374.9 mm. 10 Chick = 1 Chang; 10 Chang = 1 Yan. Li = 1825.5 feet = 556.41 meters. W. Catty = 1½ lbs. avoirdupois = 604.7 grams. Picul (or Tam) = 100 catties. Tael (or Leang) = 1½ ounce avoirdupois. M. Tael is a certain weight of silver, varying in value. There are no standard gold or silver coins in China. The so-called Tael is an ideal money of account with foreigners, being the value of a certain weight of "sycee," (melted silver,) or its weight of Mexican, Spanish, or American Trade Dollar; varying in value with the fineness of the silver, and at the different sea ports. The Haikwan (marine customs) Tael has an average value of \$1.53. Small copper coins called "cash" are in circulation,—average value 1760 cash = 1 Tael of silver.
- PAN. L. Shaku = 10 Sun = 11.93 inches = 303.03 mm. Ri = 36 Chô = 21 miles. S. Chô = 21 acres. W. Sen (formerly called Momme) = 3.756521 grams. Kin (or Catty) = 160 sen = 1.825 fbs. avoirdupois = 601.04 grams. Picul (or Tam) = about 133 fbs. avoirdupois. M. Yen (or dollar) = \$0.997.
- NOWICH (or HAWAIIAN) ISLANDS. The system is that of the United States. M. Dollar == \$1.00.

No. 18 (A.)

	into Nautical (Sea) Miles.			-	into Statute (Land) Miles.				
Statute Miles.	Nautical Miles.	Statute Miles.	Nautical Miles.	Nautical Miles.	Statute Miles.	Nautical Miles.	Statute Miles.		
1	0.87	100	86.76	1	1.15	100	115.27		
3	1.73	200	173.51	2	2.31	200	230,53		
3	2.60	300	260.27	3	3.46	300	345.80		
4	3.47	400	347.02	4	4.61	400	461.07		
5	4.34	500	433.78	5	5.76	500	576.33		
6	5.21	600	520.53	6	6.92	600	691.60		
7	6.07	700	607.29	7	8.07	700	806,87		
8	6.94	800	694.04	8	9.22	800	922.13		
9	7.81	* 900	780,80	9	10.37	900	1,037.40		
10	8.68	1,000	867.55	10	11.53	1,000	1,152,67		
20	17.35	2,000	1,735.11	20	23.05	2,000	2,305.3		
30	26.03	3,000	2,602.66	30	34.58	3,000	3,458.0		
40	34.70	4,000	3,470.22	40	46.11	4,000	4,610.6		
50	43.38	5,000	4,337.77	50	57.63	5,000	5,763.3		
60	52.05	6,000	5,205.32	60	69.16	6,000	6,916.0		
70	60.73	7,000	6,072.88	70	80.69	7,000	8,068.6		
80	69.40	8,000	6,940.43	80	92.21	8,000	9,221.3		
90	78.08	9,000	7,807.99	90	103.74	9,000	10,374.0		

No. 18 (B.)

Co convert Statute (Land) Miles into Kilometers.			To convert Kilometers into Statute (Land) Miles.				
Statute Miles.	Kilometers.	Statute Miles.	Kilometers.	Kilometers.	Statute Miles.	Kilometers.	Statute Miles.
1	1.61	100	160.93	1	0.62	100	62.14
2	3.22	200	321.87		1.24	200	124.27
3 4	4.83	300	482.80	2 3 4	1.86	300	186.41
4	6.44	400	643.74	4	2.49	400	248.55
5	8.05	500	804.67	5	3.11	500	310.69
6	9.66	600	965.61	6	3.73	600	372.82
6	11.27	700	1,126.54	7	4.35	700	434.96
8	12.87	800	1,287.48	8	4.97	800	497.10
9	14.48	900	1,448.41	9	5.59	900	559,23
10	16.09	1,000	1,609.35	10	6.21	1,000	621.37
20	32.19	2,000	3,218.69	20	12.43	2,000	1,242.74
30	48.28	3,000	4,828.04	30	18.64	3,000	1,864.11
40	64.37	4,000	6,437.39	40	24.85	4,000	2,485,48
50	80.47	5,000	8,046.73	50	31.07	5,000	3,106.85
60	96.56	6,000	9,656.08	60	37.28	6,000	3,728.22
70	112.65	7,000	11,265.43	70	43.50	7,000	4,349.59
80	128.75	8,000	12,874.78	80	49.71	8,000	4,970.96
90	144.84	9,000	14,484.12	90	55.92	9,000	5,592.33

No. 14.

Sea Distances Between Principal Sea-ports of the World.

These distances are stated in statute miles.

NEW YORK TO-								
Queenstown 3,250 Liverpeol 3,540 Glasgow 3,240 Southampton 3,680 Brest 3,370 Bordeaux 3,680 Havre 3,680 Antwerp 3,960 Bremen 4,260 Hamburg 4,280	Halifax	Vera Cruz						
i	SAN FRANCISCO TO-							
San Diego 512 Panama 3,760 Astoria 642 Portland 745 Victoria 860 P't Townshend 893 Tacoma 966	Sitka2,174 Honolulu2,390 Yokohama5,200 Shanghai6,390 Hong Kong7,000 Calcutta10,488 Ngaloa (F.I.)_5,570	Auckland6,890 Sydney, direct_7,380 Sidney (via Honolulu & Fiji Islds.)_7,500 Liverpool16,560 Valparaiso5,950 New York16,000						
SAN DIEGO TO-								
San Francisco 512 Panama 3,250 Honolulu 2,622 Yokohama 5,590	Hong Kong7,390 Calcutta10,880 Ngaloa (F.I.)_5,520	Sydney, direct_7,450 Sidney (via Honolula & Fiji Islds.)_7,780						
	NEW ORLEANS TO-							
Key West660 Havana690 Vera Cruz920 Aspinwall1,610	St. Thomas1,875 Para3,835 Pernambuco5,085	Bahia 5,525 Rio Janeiro6,360 Buenos Aires7,650						
KEY WEST TO-								
Havana	Norfolk 1,090 Baltimore 1,250 Philadelphia 5 290	New York1,828 Boston 1,578						
	GALVESTON 20-							
Havana	Vera Cruz 865 St. Thomas2,050	Rio Janeiro6,340						

• . . .

١ • 一方の見れる 一年 村村の大学の大学 •

	BALTIMORE TO-						
Fort Monroe	171 Norfolk .	184					
	Washington to-						
Fort Monroe	189 Norfolk .	202					
	HAVANA TO-						
New York1,850 New Orleans 690	Vera Cruz840 Aspinwall1,190	Rio Janeiro5,670					
	St. Thomas to—						
I.iverpool4,065 Southampton4,115 IIalifax1,800 Piermudas960 New York1,650	Havana1,185 Aspinwall1,180 Para1,960 Pernambuco3,210	Bahia					
Panama to	Sydney	8,830 miles.					
	LIVERPOOL TO-						
Quebec 3,225 Finlifax 2,835 Fortland 3,186 Boston 3,870 New York 3,540 Philadelphia 3,750	Baltimore 8,910 Savannah 4,000 Havana 4,790 New Orleans .5,480 Lisbon 1,130 Madeira 1,650	St. Thomas4,065 Rio Janeiro5,940 San Francisco (via Cape Horn)16,560 Melbourne15,000 Sydney16,700					
DISTANCES BY RAILS	ROAD, CONNECTING A PORTS:	FEW OF THESE SEA-					
Liverpool to London, 202 miles; London to Dover, 88; Dover to Calais, (sea,) 26; Calais to Paris, 184; Paris to Marseilles, 587; Southampton to Havre, (sea,) 120; Havre to Paris, 140; Southampton to London, 80; Glasgow to Edinburgh, 42; Edinburgh to London, 400; Hamburg to Berlin, 178; Aspinwall (Colon) to Panama, 48.							
From Southampton	MEDIATE DISTANCES:	HE WORLD, (INTER-					
Southampton 0 Gibraltar1,450 Malta1,120 Suez(via canal).1,175 Aden1,508	Singapore1,835 Helig Kong—1,650 Yek ama1,830	Honolulu2,810 San Francisco_2,390 New York (by Railroad)_3,317 Southampton3,680					
Total distances l	oy this route	25,700 miles.					
	editions these tables n	y the usual (average) nay be extended or cor-					

3545 21



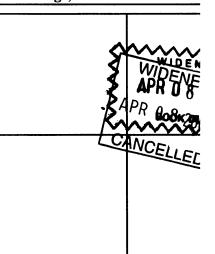
·				



The borrower must return this item of the last date stamped below. If a places a recall for this item, the bobe notified of the need for an earlier

Non-receipt of overdue notices does the borrower from overdue fi

Harvard College Widener Li Cambridge, MA 02138 617-



Please handle with care Thank you for helping to pre library

